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A Dispersion Analysis for Difference Schemes: Tables of Generalized Airy Functions*

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Abstract. This paper contains graphs and tables of the function

$$Ai_{p,q}(\alpha,x) = \int_{-\infty}^{\infty} (2\pi)^{-1} \exp\{iy^p/p - \alpha y^q/q + ixy\}\, dy$$

and its indefinite integral for $p = 3, 5, 7$, for $q = 2, 4, 6$, and for several values of α with $\alpha \geqslant 0$. It is shown how these tables should influence the choice of an artificial viscosity for a difference scheme for a linear hyperbolic equation.

1. Introduction. This paper consists primarily of graphs and tables of values of the generalized Airy function

$$Ai_{p,q}(\alpha, x) = (2\pi)^{-1} \int_{-\infty}^{\infty} \exp\{iy^p/p - \alpha y^q/q + ixy\}\, dy \tag{1.1}$$

and its integral

$$Aii_{p,q}(\alpha, x) = (2\pi i)^{-1} \int_{-\infty}^{\infty} y^{-1} \exp\{iy^p/p - \alpha y^q/q + ixy\}\, dy. \tag{1.2}$$

Here, $\alpha \geqslant 0$, x is real, and p and q are natural numbers such that q is even and p is odd, $p \geqslant 3$. The improper integral (1.2) is the Cauchy principal value. We computed these tables because the solution of a linear hyperbolic equation with constant coefficients behaves near a discontinuity like the integral $Aii_{p,q}$. See [4] and [5]. Our tables show the magnitude and extent of the numerically induced oscillations.

Our results show that it is better to add an artificial viscosity to a nondissipative difference scheme than to use a difference scheme with the viscosity built in. The reason is that if $q < p$ as in the upstream-difference method, the viscosity becomes predominant as t/h increases, and if $q > p$ as in the Lax-Wendroff method, the viscosity weakens as t/h increases. On the other hand, for a nondissipative scheme with order of accuracy $p - 1$, if the artificial viscosity is a discretization of

$$Q = -(-1)^{q/2} \delta h^{q(p-1)/p} q^{-1} \partial^q u/\partial x^q \tag{1.3}$$

(q even), then the amount of viscosity as measured by the parameter α in (1.1) and (1.2) is independent of h,

$$\alpha = \delta t^{(p-q)/p}.$$

We see that α gives a measure of the effective diffusive time scale. Note, though, that with the artificial viscosity (1.3) α is an increasing function of t if $p > q$ and a decreasing function of t if $p < q$.

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The behavior of a high-order difference scheme near a discontinuity is as follows. Suppose we use a nondissipative difference scheme with order of accuracy $p - 1$ and artificial viscosity (1.3). Then for fixed t the oscillations near a discontinuity extend over a distance

$$O(h^{(p-1)/p}).$$

We see that there is a slight improvement as p increases. Our tables show that as p increases ($p = 3, 5, 7$) there is also a decrease in the amplitude of the oscillations. As we increase q, though, the damping near the wave front is decreased. In fact, it is only for $q = 2$ that there is no overshoot.

Let us emphasize that we consider here only linear equations with linear artificial viscosity. The behavior of difference schemes for nonlinear equations with shocks is different. Nonlinear artificial viscosities of the form

$$Q = -(-1)^m \delta h^{2m(p-1)/p} (2m)^{-1} D^m (|Du|^r D^m u) \tag{1.4}$$

are in common use [9, p. 313], [7], where Du denotes $\partial u/\partial x$. It is not usual, though, to use this particular power of h. The reason for using a nonlinear viscosity of the form (1.4) is that one wants the effect to be greatest when $|Du|$ is large. If r is even, the computation is more efficient because we do not need to check $\operatorname{sgn}(Du)$. Finally, let us remark that the clipping algorithm of Boris and Book [1] is very good for discontinuities of the sort $u = \operatorname{sgn}(x)$, but for $u = \operatorname{sgn}(x) - x$ it produces a staircase.

We have concentrated on the behavior of a difference scheme near a discontinuity of the solution of the differential equation. It is also of interest to know the behavior near a discontinuity of a derivative. If the discontinuity were in the derivative of order r, we would need to compute tables of the $(r + 1)$-fold indefinite integral of the generalized Airy function $Ai_{p,q}$.

Our graphs and tables are in the Appendix which appears in the microfiche section of this issue. In Section 2 we describe the graphs and tables and tell how we computed them. In Section 3 we show how the generalized Airy functions apply to various difference schemes.

2. Description of the Tables. In the Appendix are three sets of graphs with adjoining tables. The first set (Figures 1–17 and Tables 1–9) gives four local extrema of $Aii_{p,q}(\alpha, x)$. The second set (Figures 18–23 and Tables 10–12) shows the function

$$F_q(x) = (2\pi)^{-1} \int_{-\infty}^{\infty} \exp\{-y^q/q + ixy\}\, dy \tag{2.1}$$

and its integral. Finally, the third set (Figures 24–105 and Tables 13–53) consists of graphs and tables for the functions $Ai_{p,q}$ and $Aii_{p,q}$.

The function $Aii_{p,q}(\alpha, x)$ is known [5] to oscillate about the value $-1/2$ for negative values of x. If $p = 3$ and either $\alpha = 0$ or $q = 2$, we have

$$\lim_{x \to \infty} Aii_{p,q}(\alpha, x) = 1/2$$

monotonically. Otherwise, the function $Aii_{p,q}(\alpha, x)$ oscillates about the value 1/2 for positive values of x. The amplitudes of these oscillations are important in numerical analysis. The first set of graphs and tables shows the values for $p = 3, 5, 7$ and $q = 2, 4, 6$ of $Aii_{p,q}(\alpha, x)$ at the first three negative local extrema and at the first positive local maximum. Of the three negative local extrema the first is a local minimum and usually the absolute minimum, the second is a local maximum, and the third is a local minimum.

We point out some peculiarities. For $q = 2$ and $p = 5$ or $p = 7$ the first two negative local extrema coalesce and disappear near $\alpha = 3$ or $\alpha = 3.2$, respectively. In fact, we see values of α for which the first negative local minimum is greater than $-1/2$. Similarly, for $q = 2$ and $p = 5$ the third and fourth negative extrema coalesce near $\alpha = 4.8$, and for $q = 2$ and $p = 7$ the first and second positive local extrema coalesce near $\alpha = 4.1$. For $p = 3$ and $q = 2$ there is no positive local maximum. For $p = 3$, $q = 4$, and $\alpha < 0.3$ the first positive local maximum is too flat to compute accurately. For $p = 3$ and $q = 6$ the first two positive local extrema coalesce as α decreases to some value between 0.2 and 0.3.

The second set of graphs and tables is labeled "P-term missing" and shows the function $F_q(x)$ defined by Eq. (2.1) and its integral, the Cauchy principal value of

$$Fi_q(x) = (2\pi i)^{-1} \int_{-\infty}^{\infty} y^{-1} \exp\{-y^q/q + ixy\}\, dy.$$

The importance of these functions is that they show the limiting behavior of the generalized Airy functions for large viscosity,

$$(2.2) \qquad \lim_{\alpha \to \infty} \alpha^{1/q} Ai_{p,q}(\alpha, \alpha^{1/q} x) = F_q(x), \quad \lim_{\alpha \to \infty} Aii_{p,q}(\alpha, \alpha^{1/q} x) = Fi_q(x).$$

For this reason we include the case $q = 2$, even though F_2 is the Gaussian function

$$F_2(x) = (2\pi)^{-1/2} \exp\{-x^2/2\},$$

and $Fi_2(x)$ differs from the error function by 1/2. It is clear that F_q is an even function, so that it would have been sufficient to plot and print its values for positive x. For ease of comparison with the generalized Airy functions we used for both F_q and $Ai_{p,q}$ a format appropriate for the Airy functions. We remark that since $\exp\{-y^q/q\}$ and e^{ixy} are G-functions [8], it follows that $F_q(x)$ is also a G-function. In fact, it is not hard to show that in terms of the hypergeometric function ${}_0F_{q-2}$ we have

$$F_q(x) = \sum_{m=0}^{q-2} b_m x^m {}_0F_{q-2}(\,;\delta_{m1}, \delta_{m2}, \ldots, \delta_{m,q-2}; (-1)^{q/2} x^q/q^{q-1}),$$

$$b_m = 0 \qquad (m \text{ odd}),$$

$$b_m = (-1)^{m/2} q^{(m+1)/q}\, \Gamma((m+1)/q)/(m!\, q\pi) \qquad (m \text{ even}).$$

Here, $\delta_{m1}, \delta_{m2}, \ldots, \delta_{m,q-2}$ are the consecutive numbers $(m + 2)/q$, $(m + 3)/q$, $\ldots, (m + q)/q$ with q/q omitted.

The first three negative local extrema for Fi_4 and Fi_6 are as follows

x	$Fi_4(x)$
−2.44196790	−0.55220867
−4.79724416	−0.49384599
−6.81358116	−0.50082421

x	$Fi_6(x)$
−2.50081385	−0.57059517
−4.93258336	−0.47901803
−7.23239945	−0.50617746

Hence, by (2.2) we have the limiting behavior of the first three local extrema of $Aii_{p,q}$ for $q = 4, 6$. It is obvious that Fi_2 is monotone.

The final set of graphs and tables is of values of $Ai_{p,q}(\alpha, x)$ and $Aii_{p,q}(\alpha, x)$ for $p = 3, 5, 7$ and $q = 2, 4, 6$. They appear in the order $(p, q) = (3, 2), (3, 4), (3, 6), (5, 2), \ldots$. For all values of p and q we give the generalized Airy function and its integral for $\alpha = 0.5, 1, 2, 4$. The case $\alpha = 0$ is given only for $q = 2$, because $Ai_{p,q}(0, x)$ is independent of q. For $q = 2$ and $p = 5, 7$ we include the case $\alpha = 3$ in order to show the coalescence of the first two negative extrema.

We close this section with a description of the methods of computation. The derivative of order r of the generalized Airy function may be written

$$(2.3) \qquad Ai^{(r)}_{p,q}(\alpha, x) = \pi^{-1} \operatorname{Re} \int_0^\infty (iy)^r \exp\{iy^p/p - \alpha y^q/q + ixy\}\, dy,$$

$r = -1, 0, 1, \ldots$. In order to make the exponential decay as $|y| \longrightarrow \infty$, we replace the path of integration by the ray in the complex plane

$$y = ze^{i\theta}, \qquad 0 < z < \infty,\ \theta = \pi/(2(p + q)).$$

For $r = -1$ we must add the contribution $2\theta/\pi$ from the pole at the origin. For any given positive number ϵ it is easy to find an R such that

$$\pi^{-1} \left| \int_R^\infty z^r \exp\{ie^{ip\theta} z^p/p - \alpha e^{iq\theta} z^q/q + ixe^{i\theta} z\}\, dz \right| < \epsilon.$$

We now use Romberg integration to compute the integral on the interval $0 \leqslant z \leqslant R$. In fact, the trapezoid rule for this integral is a finite complex Fourier series which is evaluated by the fast Fourier transform. The values of $Ai_{p,q}$ and $Aii_{p,q}$ were computed by this method. The values of F_q and Fi_q were computed in the same way but without the rotation of the path of integration. In order to find the local extrema of $Aii_{p,q}$, we used Newton's method, which requires evaluation of the integrals (2.3) for $r = -1, 0, 1$.

We checked our results as follows. First, it is easy to see that

$$Ai_{3,2}(\alpha, x) = \exp\{\alpha x/2\} Ai(x + \alpha^2/4),$$

where Ai is the usual Airy function. Second, the function $Aii_{p,q}$ is a solution of the ordinary differential equation

$$(2.4) \qquad (-1)^{(p-1)/2} u^{(p)} - \alpha(-1)^{q/2} u^{(q)} + xu' = 0,$$

which may be solved numerically once we have evaluated the integral (2.3) at a starting value x for $r = -1, 0, 1, \ldots, \max(p, q) - 2$. The difficulty with this method is that for $q \geqslant 6$ and for $p \geqslant 7$ (and also for $p = 5$ if $x < 0$) the differential equation (2.4) has a parasitic solution which dominates $Aii_{p,q}$ as x increases and another parasitic solution which dominates $Aii_{p,q}$ as x decreases. Hence, we must restart the computation fairly often. We found that it is better to start at a maximal value of $|x|$ and go toward the origin, using a stiff equation solver [6].

We make a remark regarding our method of computing values of the integral (2.3). The method is adequate for the values of x we used, but for larger values of $|x|$ there would be roundoff error from cancellation. We would then need to use a contour which better approximates the optimal path through the saddle points [4], [5].

3. Applications to Difference Schemes. We consider difference schemes for the equation

$$u_t + u_x = 0 \qquad (-\infty < x < \infty, t > 0) \tag{3.1}$$

with $u(x, 0) = \operatorname{sgn}(x)/2$. Our applications are based on the amplification function [9, p. 67] for the difference scheme. We assume that the difference scheme is stable. The amplification function has the form

$$G(\xi) = \exp\{\lambda(-i\xi + iA(\xi) - B(\xi))\},$$

where A and B are real, periodic functions such that

$$\begin{aligned} A(\xi) &= c\xi^p/p + O(|\xi|^{p+2}) \qquad (\xi \longrightarrow 0), \\ B(\xi) &= \epsilon\xi^q/q + O(\epsilon|\xi|^{q+2}) \quad (\xi \longrightarrow 0). \end{aligned}$$

Here, p is odd, q is even, $c \neq 0$, and λ is the mesh ratio $\lambda = \Delta t/h$, $h = \Delta x$. It may happen that $B = 0$, in which case the difference scheme is nondissipative. Otherwise, we have $\epsilon > 0$.

It was shown in [4] that if v_k^n denotes the solution of the difference scheme at the grid point $x = kh$, $t = n\Delta t$ with $v_k^0 = \operatorname{sgn}(kh)/2$, then near the wave front we have the asymptotic estimate

$$\begin{aligned} &V_k^n \sim Aii_{p,q}(\alpha, y), \\ &\alpha = \epsilon|c|^{-q/p}(\lambda t/h)^{(p-q)/p}, \\ &y = \omega \operatorname{sgn}(c)|c|^{-1/p}(t/h)^{(p-1)/p}. \end{aligned} \tag{3.2}$$

Here, ω is the scaled distance from the wave front $\omega = (x - t)/t$. It was shown in [4] that the region of validity of (3.2) if $q < p$ is

$$(\epsilon t/h)|c|^{-(pq+2)/(p^2-p)}|\omega|^{(q+2)/(p-1)} \longrightarrow 0, \tag{3.3}$$

$$|\omega||c|^{-1/p}(t/h)^{(p-1)/(p+2)} \longrightarrow 0. \tag{3.4}$$

If $p < q$, the region of validity of (3.2) is [4]

$$|\omega||c|^{-1/q}(t/h)^{(q-1)/(q+2)} \longrightarrow 0 \tag{3.5}$$

together with (3.3). Actually, the condition (3.3) was not needed in [4] because ϵ was taken to be constant there; it is not hard to show by the methods of [4] that (3.3) is needed if ϵ is allowed to vary. We remark that the numbers p, q, c, and ϵ for a difference scheme may be obtained from the Maclaurin series for $\log(G(\xi))$.

If p and q are known, c and ϵ may alternatively be obtained by a modification of the method used to find the local truncation error. This method is easier. One substitutes into the difference scheme a smooth solution u of the equation

$$u_t + u_x = (-1)^{(p-1)/2} c p^{-1} h^{p-1} \partial^p u/\partial x^p - (-1)^{q/2} \epsilon q^{-1} h^{q-1} \partial^q u/\partial x^q. \tag{3.6}$$

One then makes Taylor expansions, using Eq. (3.6) to eliminate derivatives with respect to t, and one chooses c and ϵ so that the low-order terms cancel. We give an example in a moment. It is remarkable that this procedure is valid for a differential equation with a discontinuous solution, but it was shown in [4] and [5] that it is valid under conditions (3.3), (3.4) if $q < p$ and under conditions (3.3), (3.5) if $p < q$. Chin [2] has found the error of the approximation in a special case.

We now give some examples.

Example 1. *Upstream differences.* For the upstream-difference method

$$v_k^{n+1} - v_k^n = \lambda(v_k^n - v_{k-1}^n) \tag{3.7}$$

we know that $q = 2$ and $p = 3$. Upon substituting a smooth function u into Eq. (3.7) and using Taylor expansions, we obtain

$$\begin{aligned} u_t + (\lambda h/2)u_{tt} + (\lambda^2 h^2/6)u_{ttt} + O(h^3) \\ = -u_x + (h/2)u_{xx} - (h^2/6)u_{xxx} + O(h^3). \end{aligned} \tag{3.8}$$

In our case Eq. (3.6) becomes

$$u_t = -u_x + (\epsilon h/2)u_{xx} - (ch^2/3)u_{xxx},$$

so that

$$u_{tt} = u_{xx} - \epsilon h u_{xxx} + O(h^2), \qquad u_{ttt} = -u_{xxx} + O(h).$$

Consequently, the terms of (3.8) cancel to within $O(h^3)$ if and only if

$$\epsilon = 1 - \lambda, \qquad c = (1 - \lambda)(1 - 2\lambda)/2.$$

Thus, if $\lambda \neq 1/2$, we have obtained ϵ and c for the estimate (3.2) under conditions (3.3), (3.4). Note that $p \geqslant 5$ if $\lambda = 1/2$.

Example 2. *The Lax-Wendroff method.* The Lax-Wendroff method [9, p. 331], when used for (3.1) has the amplification factor

$$G(\xi) = 1 - i\lambda \sin \xi - \lambda^2(1 - \cos \xi),$$

so that

$$\log G(\xi) = \lambda(i\xi + i(1 - \lambda^2)2^{-1}\xi^3/3 - \lambda(1 - \lambda^2)2^{-1}\xi^4/4 + O(\xi^5))$$

as $\xi \longrightarrow 0$. Thus, we have (3.2) under conditions (3.3), (3.5) with $p = 3$, $q = 4$.

$$c = (1 - \lambda^2)/2, \qquad \epsilon = \lambda(1 - \lambda^2)/2.$$

Example 3. *Fromm's method.* Fromm's method [3] when applied to (3.1) has the amplification factor

$$G(\xi) = 1 - i(\lambda/2)\sin \xi(1 + e^{-i\xi}) - (\lambda/2)(\lambda + (\lambda - 2)e^{-i\xi})(1 - \cos \xi).$$

Consequently, we have

$$\log G(\xi) = \lambda(-i\xi + ic\xi^3/3 - \epsilon\xi^4/4 + O(\xi^5))$$

as $\xi \longrightarrow 0$ with

$$c = -(1-\lambda)(1-2\lambda)/4, \qquad \epsilon = (1-\lambda)(1-\lambda+\lambda^2)/2.$$

If $0 < \lambda < 1/2$ or $1/2 < \lambda < 1$, we have (3.2) under conditions (3.3), (3.5) with $p = 3$ and $q = 4$. If $\lambda = 1/2$, we have to determine p $(p \geqslant 5)$ and c by keeping higher order terms.

Example 4. *The leapfrog scheme.* The leapfrog scheme for (3.1) is

$$v_k^{n+1} - v_k^{n-1} = \lambda(v_{k+1}^n - v_{k-1}^n). \tag{3.9}$$

The solution to difference equation (3.9) has two waves, one with amplification factor

$$G(\xi) = -i\lambda \sin \xi + (1 - \lambda^2 \sin^2 \xi)^{1/2},$$

the other with amplification factor

$$G_2(\xi) = -i\lambda \sin \xi - (1 - \lambda^2 \sin^2 \xi)^{1/2}.$$

The wave generated by G_2 has a front with speed -1, but it is easy to show that this wave has amplitude $O(h^2)$ if the starting values v_k^0 and v_k^1 are correct to within $O(h^2)$. Consequently, we focus our attention on G_1. It is clear that for $0 < \lambda < 1$ we have

$$|G_1(\xi)| = 1 \qquad (-\infty < \xi < \infty).$$

Hence, there is no q-term, or equivalently, $\alpha = 0$ in (3.2). The Maclaurin series for $\log G_1(\xi)$ has the form

$$\log G_1(\xi) = \lambda(-i\xi + i(1-\lambda^2)2^{-1}\xi^3/3 + O(\xi^5)).$$

Consequently, we have $p = 3$ and

$$c = (1-\lambda^2)/2. \tag{3.10}$$

Our asymptotic relation (3.2) is valid only if (3.4) holds, but because the difference scheme is not dissipative, the oscillations extend over a long distance. It is known [10] that the solution of (3.9) with initial data

$$v_k^0 = \operatorname{sgn}(kh)/2, \qquad v_k^1 = \operatorname{sgn}(kh - \lambda h)/2$$

differs from the exact solution to (3.1) by $O((h/t)^{1/2})$ over every interval

$$|x| < \theta t \qquad (0 < \theta < 1).$$

In order to reduce this error, one usually adds an artificial viscosity. If this artificial viscosity is linear, the model equation (3.6) takes the form

$$u_t + u_x = -(ch^2/3)u_{xxx} - \epsilon(-1)^{q/2}q^{-1}h^{q-1}\partial^q u/\partial x^q.$$

One ordinarily chooses $q = 2$ or $q = 4$. If $q = 2$ and $\epsilon = \delta h^{1/3}$ for a fixed constant δ, then (3.2) takes the form

$$v_k^n \sim Aii_{3,2}(\alpha, y),$$
$$\alpha = \delta c^{-2/3}(\lambda t)^{1/3},$$
$$y = (x-t)(ct)^{-1/3}h^{2/3}$$

with c as in (3.10). Note that this choice of ϵ makes α independent of h. The artificial viscosity is a discretization of $(\delta h^{4/3}/2)u_{xx}$. Similarly, if we want $q = 4$ and

$$v_k^n \sim Aii_{3,4}(\alpha, y)$$

with α independent of h, we take $\epsilon = \delta h^{1/3}$. The artificial viscosity is then a discretization of $-(\delta h^{8/3}/4)u_{xxxx}$.

Example 5. *Fourth-order schemes.* For a fourth-order, nondissipative scheme Eq. (3.2) takes the form

$$v_k^n \sim Aii_{5,q}(0, y)$$

under condition (3.4) with $p = 5$. Here,

$$y = (x - t)(|c|t)^{-1/5}\operatorname{sgn}(c)h^{-4/5}.$$

If we want positive α independent of h, we add to the difference scheme an artificial viscosity which is a difference approximation to one of the following

$$\begin{aligned} &\delta h^{1.6}\,\partial^2 u/\partial x^2 \qquad (q = 2),\\ -&\delta h^{3.2}\,\partial^4 u/\partial x^4 \qquad (q = 4),\\ &\delta h^{4.8}\,\partial^6 u/\partial x^6 \qquad (q = 6), \ldots . \end{aligned}$$

Other examples of model equations (3.6) are given in [11].

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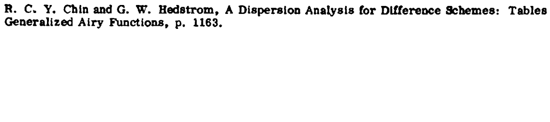
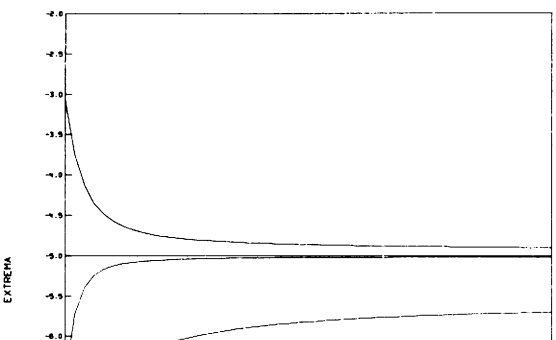
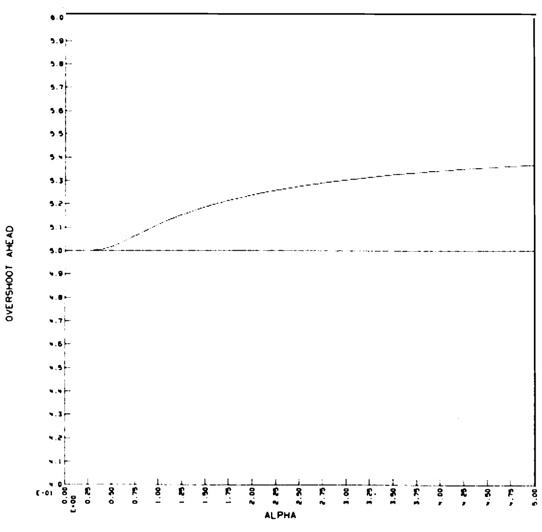


Figure 1



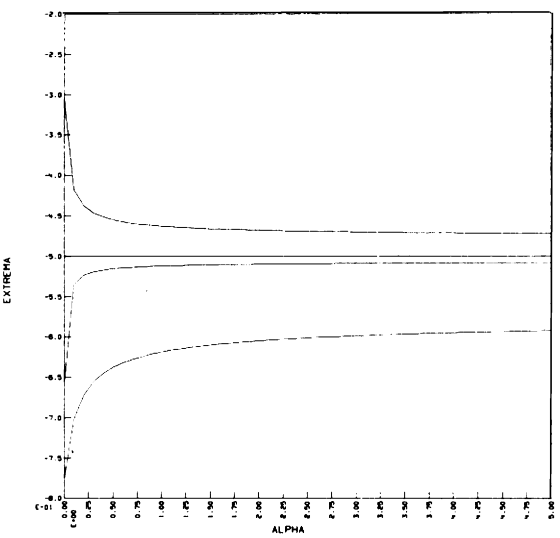
P = 3 Q = 4

Figure 2



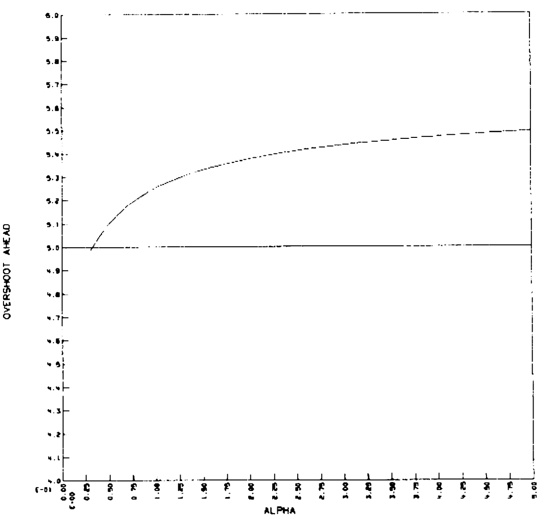
P = 3   Q = 4

Figure 3



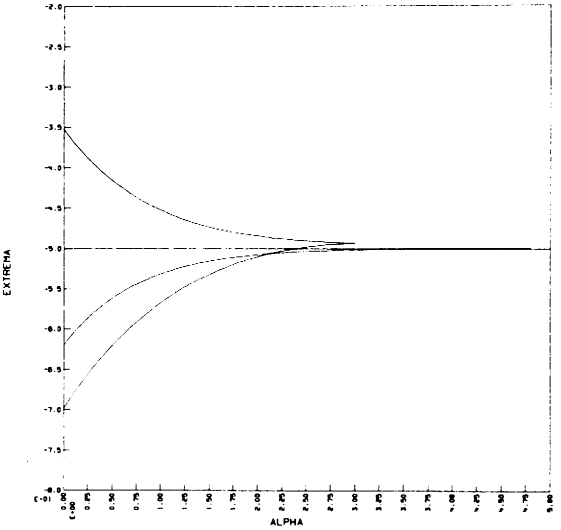
P = 3   Q = 6

Figure 4



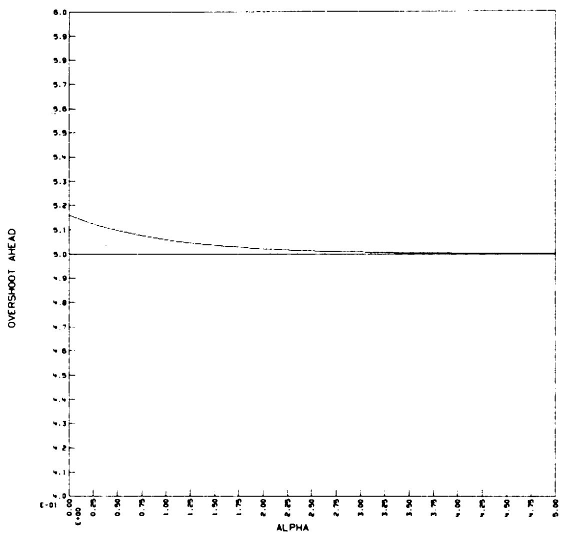
P = 3   Q = 6

Figure 5



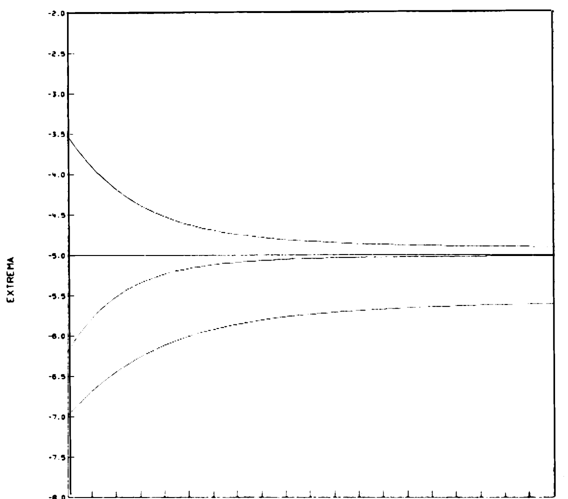
P = 5 Q = 2

Figure 6



P = 5 Q = 2

Figure 7



P = 5 Q = 4

Figure 8

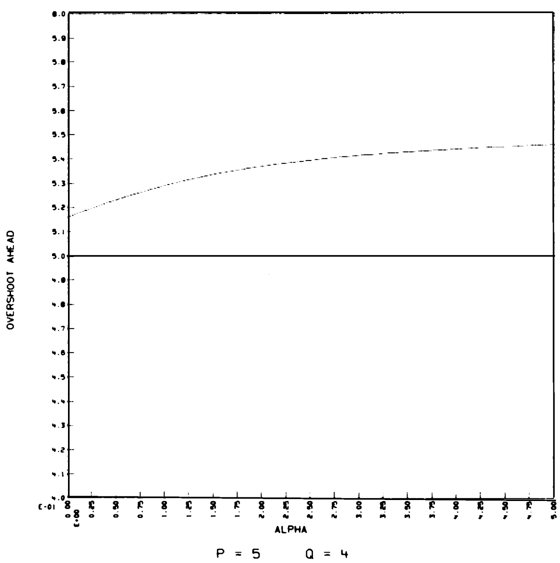


Figure 9

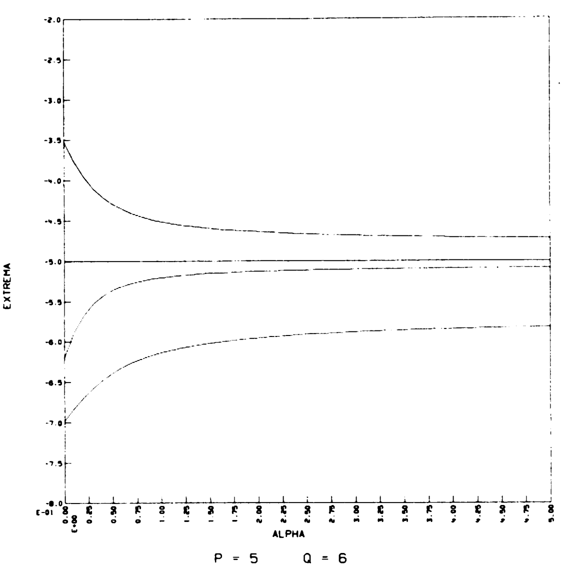
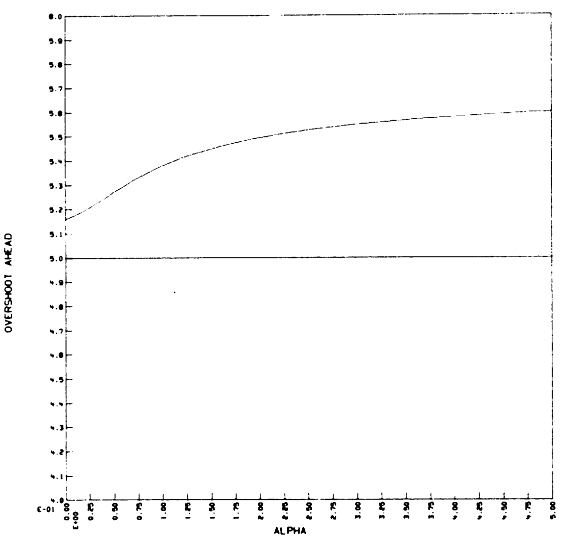
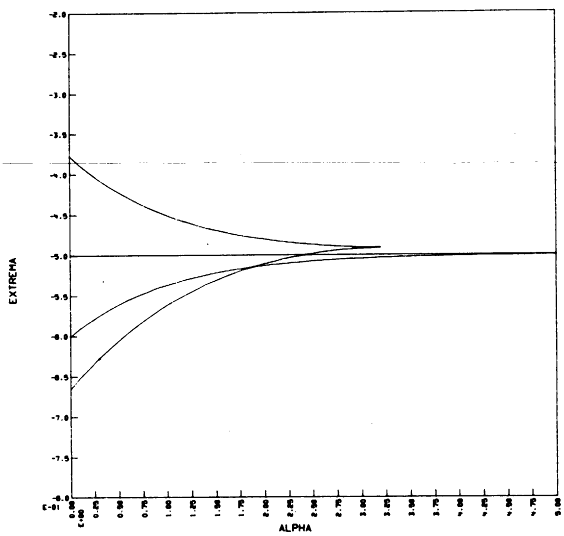


Figure 10



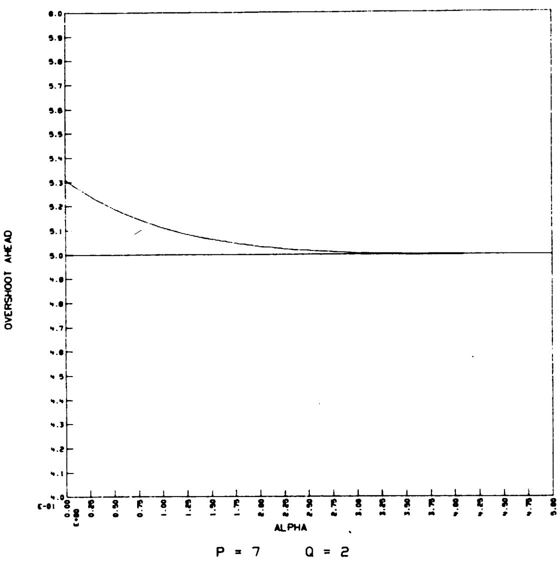
P = 5 Q = 6

Figure 11



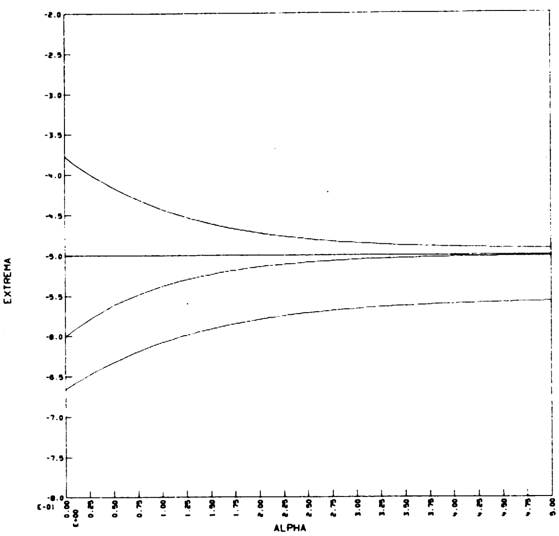
P = 7 Q = 2

Figure 12



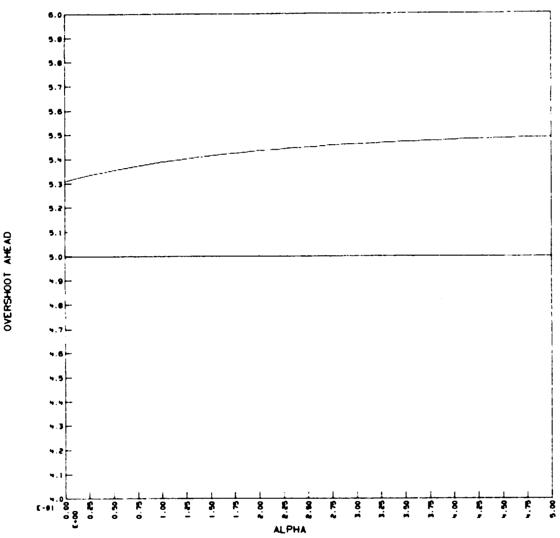
P = 7 Q = 2

Figure 13



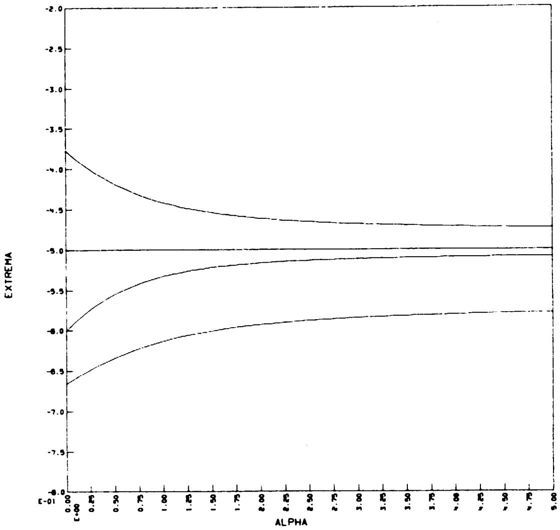
P = 7 Q = 4

Figure 14



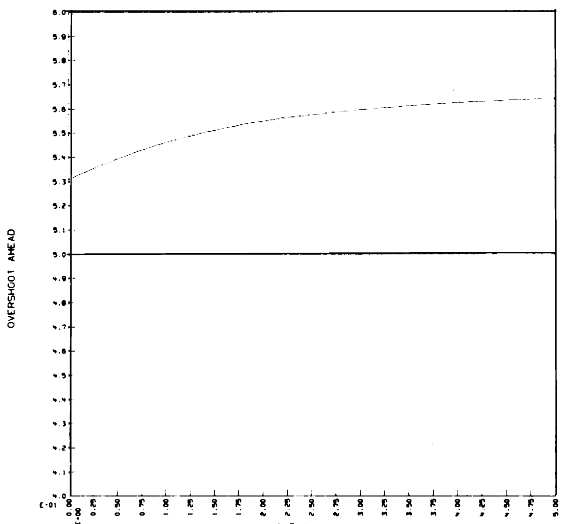
P = 7 Q = 4

Figure 15



P = 7 Q = 6

Figure 16



P = 7 Q = 6

Figure 17

Table 1

EXTREMA FOR THE INTEGRAL OF THE GENERALIZED AIRY FUNCTION. P = 3 Q = 2

ALPHA	X	AI1(X)	X	AI1(X)	X	AI1(X)	X	AI1(X)	ALPHA
0	-2.33810741	-0.77435208	-4.08794944	-0.30824288	-5.52055983	-0.85503438			0
0.10	-2.34060741	-0.74126385	-4.09044944	-0.34458011	-5.52305983	-0.61723160			0.10
0.20	-2.34810741	-0.71183013	-4.08794944	-0.37415950	-5.53055983	-0.58855120			0.20
0.30	-2.36060741	-0.68565754	-4.11044944	-0.39827473	-5.54305983	-0.56879983			0.30
0.40	-2.37810741	-0.66238807	-4.12794944	-0.41790873	-5.56055983	-0.55031389			0.40
0.50	-2.40060741	-0.64174830	-4.15044944	-0.43388293	-5.58305983	-0.53782911			0.50
0.60	-2.42810741	-0.62343342	-4.17794944	-0.44808288	-5.61055983	-0.52838539			0.60
0.70	-2.46060741	-0.60721248	-4.21044944	-0.45738552	-5.64305983	-0.52125185			0.70
0.80	-2.49810741	-0.59288837	-4.24794944	-0.46582891	-5.68055983	-0.51587157			0.80
0.90	-2.54060741	-0.58021042	-4.29044944	-0.47282947	-5.72305983	-0.51182163			0.90
1.00	-2.58810741	-0.56808156	-4.33794944	-0.47838782	-5.77055983	-0.50877943			1.00
1.10	-2.64060741	-0.55828582	-4.39044944	-0.48288853	-5.82305983	-0.50649862			1.10
1.20	-2.69810741	-0.55088177	-4.44794944	-0.48647880	-5.88055983	-0.50479561			1.20
1.30	-2.76060741	-0.54318087	-4.51044944	-0.48936148	-5.94305983	-0.50352582			1.30
1.40	-2.82810741	-0.53864682	-4.57794944	-0.49188143	-6.01055983	-0.50258205			1.40
1.50	-2.90060741	-0.53087445	-4.65044944	-0.49349892	-6.08305983	-0.50188336			1.50
1.60	-2.97810741	-0.52606788	-4.72794944	-0.49494092	-6.16055983	-0.50138788			1.60
1.70	-3.06060741	-0.52183960	-4.81044944	-0.49808572	-6.24305983	-0.50098890			1.70
1.80	-3.14810741	-0.51821137	-4.89794944	-0.49688583	-6.33055983	-0.50071189			1.80
1.90	-3.24060741	-0.51511144	-4.98044944	-0.49788048	-6.42305983	-0.50050980			1.90
2.00	-3.33810741	-0.51247510	-5.08794944	-0.49823958	-6.52055983	-0.50036301			2.00
2.10	-3.44060741	-0.51024391	-5.19044944	-0.49888535	-6.62305983	-0.50025719			2.10
2.20	3.54810741	-0.50838525	-5.29794944	-0.49898384	-6.73055983	-0.50018119			2.20
2.30	-3.86060741	-0.50679188	-5.41044944	-0.49924592	-6.84305983	-0.50012891			2.30
2.40	-3.77810741	-0.50548180	-5.52794944	-0.49943828	-6.96055983	-0.50008884			2.40
2.50	-3.90060741	-0.50438877	-5.65044944	-0.49958418	-7.08305983	-0.50006111			2.50
2.60	-4.02810741	-0.50350409	-5.77794944	-0.49969419	-7.21055983	-0.50004200			2.60
2.70	-4.16060741	-0.50277420	-5.91044944	-0.49977881	-7.34305983	-0.50002886			2.70
2.80	-4.29810741	-0.50218133	-6.04794944	-0.49983798	-7.48055983	-0.50001943			2.80
2.90	-4.44060741	-0.50170308	-6.19044944	-0.49988330	-7.62305983	-0.50001307			2.90
3.00	-4.58810741	-0.50131987	-6.33794944	-0.49991858	-7.77055983	-0.50000873			3.00
3.10	-4.74060741	-0.50101538	-6.49044944	-0.49994082	-7.92305983	-0.50000579			3.10
3.20	-4.89810741	-0.50077504	-6.64794944	-0.49995835	-8.08055983	-0.50000381			3.20
3.30	-5.06060741	-0.50058888	-6.81044944	-0.49997092	-8.24305983	-0.50000249			3.30
3.40	-5.22810741	-0.50044075	-6.97794944	-0.49997987	-8.41055983	-0.50000161			3.40
3.50	-5.40060741	-0.50032823	-7.15044944	-0.49998618	-8.58305983	-0.50000103			3.50
3.60	-5.57810741	-0.50024231	-7.32794944	-0.49999060	-8.76055983	-0.50000065			3.60
3.70	-5.76060741	-0.50017730	-7.51044944	-0.49999366	-8.94305983	-0.50000041			3.70
3.80	-5.94810741	-0.50012855	-7.68794944	-0.49999577	-9.13055983	-0.50000026			3.80
3.90	-6.14060741	-0.50009233	-7.89044944	-0.49999720	-9.32305983	-0.50000016			3.90
4.00	-6.33810741	-0.50006568	-8.08794944	-0.49999816	-9.52055983	-0.50000010			4.00
4.10	-6.54060741	-0.50004626	-8.29044944	-0.49999881	-9.72305983	-0.50000006			4.10
4.20	-6.74810741	-0.50003225	-8.49794944	-0.49999924	-9.93055983	-0.50000004			4.20
4.30	6.96060741	-0.50002228	-8.71044944	-0.49999951	-10.14305983	-0.50000002			4.30
4.40	-7.17810741	-0.50001526	-8.92794944	-0.49999969	-10.36055983	-0.50000001			4.40
4.50	-7.40060741	-0.50001027	-9.15044944	-0.49999981	-10.58305983	-0.50000001			4.50
4.60	-7.62810741	-0.50000686	-9.37794944	-0.49999988	-10.81055983	-0.50000000			4.60
4.70	-7.86060741	-0.50000453	-9.61044944	-0.49999993	-11.04305983	-0.50000000			4.70
4.80	8.09810741	-0.50000296	-9.84794944	-0.49999996	-11.28055983	-0.50000000			4.80
4.90	-8.34060741	-0.50000191	-10.09044944	-0.49999998	-11.52305983	-0.50000000			4.90
5.00	-8.58810741	0.50000122	-10.33794944	-0.49999999	-11.77055983	-0.50000000			5.00

Table 2

EXTREMA FOR THE INTEGRAL OF THE GENERALIZED AIRY FUNCTION P = 3 Q = 4

ALPHA	X	AI1(X)	X	AI1(X)	X	AI1(X)	X	AI1(X)	ALPHA
0.	-2.33810741	-0.77435208	-4.08784944	-0.30824286	-5.52055983	-0.65503436			0.
0.10	-2.30338210	-0.73500180	-4.08074040	-0.37443327	-5.54549193	-0.57323827			0.10
0.20	-2.30017500	-0.70388888	-4.14527356	-0.41330549	-5.68237997	-0.53926363			0.20
0.30	-2.32084252	-0.67888884	-4.24770414	-0.43556573	-5.88566184	-0.52438323	3.96693	0.50004384	0.30
0.40	-2.35532520	-0.66103014	-4.38417129	-0.44903916	-6.05954579	-0.51693160	3.28125122	0.50051253	0.40
0.50	-2.38878811	-0.64815803	-4.48332538	-0.45777140	-6.25009722	-0.51272060	2.98938170	0.50168741	0.50
0.60	-2.44134830	-0.63753870	-4.60029470	-0.46378033	-6.43249178	-0.51010715	2.85287193	0.50338069	0.60
0.70	-2.48889093	-0.62810145	-4.71311948	-0.46812192	-6.60542930	-0.50838530	2.78923409	0.50531980	0.70
0.80	-2.53227289	-0.62229474	-4.82113873	-0.47138434	-6.76898751	-0.50713878	2.76375438	0.50731691	0.80
0.90	-2.57688604	-0.61858498	-4.92420477	-0.47391493	-6.92388688	-0.50623705	2.75978499	0.50926774	0.90
1.00	-2.62041582	-0.61184088	-5.02287847	-0.47592958	-7.07024247	-0.50555079	2.76856396	0.51112148	1.00
1.10	-2.66271338	-0.60770188	-5.11885784	-0.47756848	-7.20942124	-0.50501362	2.78514985	0.51285740	1.10
1.20	-2.70372408	-0.60430173	-5.20851528	-0.47892608	-7.34188545	-0.50458322	2.80660472	0.51447081	1.20
1.30	-2.74344882	-0.60128180	-5.29258354	-0.48006811	-7.46825379	-0.50423157	2.83110855	0.51598512	1.30
1.40	-2.78191116	-0.59858884	-5.37508839	-0.48104159	-7.58907824	-0.50393945	2.85749695	0.51734753	1.40
1.50	-2.81916233	-0.59622048	-5.45438337	-0.48188093	-7.70484787	-0.50369330	2.88500595	0.51862873	1.50
1.60	-2.85525415	-0.59410812	-5.53088789	-0.48261189	-7.81599498	-0.50348331	2.91312452	0.51981169	1.60
1.70	-2.89024358	-0.59220855	-5.60423789	-0.48325411	-7.92290185	-0.50330222	2.94150591	0.52091108	1.70
1.80	-2.92418791	-0.59048888	-5.67521730	-0.48382276	-8.02590704	-0.50314456	2.98991285	0.52193294	1.80
1.90	-2.95714312	-0.58883885	-5.74382006	-0.48432980	-8.12531119	-0.50300613	2.99818139	0.52288462	1.90
2.00	-2.98916285	-0.58750888	-5.81021211	-0.48478473	-8.22138207	-0.50288368	3.02619988	0.52377274	2.00
2.10	-3.02029788	-0.58620383	-5.87454331	-0.48519520	-8.31435893	-0.50277463	3.05399185	0.52460323	2.10
2.20	-3.05059834	-0.58500384	-5.93804926	-0.48556745	-8.40445615	-0.50267692	3.08120546	0.52538138	2.20
2.30	-3.08010283	-0.58388583	-5.98755290	-0.48590661	-8.49188683	-0.50258889	3.10810815	0.52611191	2.30
2.40	-3.10885929	-0.58280016	-6.05840591	-0.48621693	-8.57678437	-0.50250918	3.13457946	0.52679904	2.40
2.50	-3.13890479	-0.58181508	-6.11370997	-0.48650198	-8.65930878	-0.50243867	3.16060850	0.52744650	2.50
2.60	-3.16427570	-0.58102589	-6.18881789	-0.48676470	-8.73963880	-0.50237044	3.18819111	0.52805764	2.60
2.70	-3.19100589	-0.58018507	-6.22403457	-0.48700770	-8.81788452	-0.50230970	3.21132799	0.52863547	2.70
2.80	-3.21712890	-0.57941887	-6.27711784	-0.48723311	-8.89418867	-0.50225382	3.23602334	0.52918266	2.80
2.90	-3.24268812	-0.57888832	-6.32883919	-0.48744281	-8.96859794	-0.50220222	3.26028384	0.52970162	2.90
3.00	-3.26765888	-0.57788884	-6.37958450	-0.48763839	-9.04127203	-0.50215443	3.28411788	0.53019451	3.00
3.10	-3.29211803	-0.57735119	-6.42905450	-0.48782126	-9.11228283	-0.50211005	3.30753507	0.53066330	3.10
3.20	-3.31607815	-0.57673838	-6.47746535	-0.48799264	-9.18171427	-0.50206872	3.33054575	0.53110975	3.20
3.30	-3.33955888	-0.57616054	-6.52484907	-0.48815359	-9.24964501	-0.50203015	3.35316074	0.53153545	3.30
3.40	-3.38257551	-0.57561205	-6.57125395	-0.48830505	-9.31614714	-0.50199406	3.37539110	0.53194186	3.40
3.50	-3.38515421	-0.57508150	-6.61872486	-0.48844785	-9.38128768	-0.50196022	3.39724794	0.53233028	3.50
3.60	-3.40731114	-0.57458872	-6.66130360	-0.48858272	-9.44512893	-0.50192842	3.41874233	0.53270193	3.60
3.70	-3.42906354	-0.57412579	-6.70502916	-0.48871032	-9.50772888	-0.50189849	3.43988517	0.53305790	3.70
3.80	-3.45042780	-0.57387888	-6.74793795	-0.48883123	-9.56914158	-0.50187026	3.46068717	0.53339918	3.80
3.90	-3.47141857	-0.57324870	-6.79006406	-0.48894598	-9.62941751	-0.50184360	3.48115875	0.53372671	3.90
4.00	-3.49205080	-0.57283954	-6.83143942	-0.48905502	-9.68860400	-0.50181837	3.50131006	0.53404131	4.00
4.10	-3.51233782	-0.57244820	-6.87209399	-0.48915879	-9.74674535	-0.50179446	3.52115092	0.53434378	4.10
4.20	-3.53228243	-0.57207350	-6.91205592	-0.48925767	-9.80388303	-0.50177177	3.54069085	0.53463481	4.20
4.30	-3.55192888	-0.57171438	-6.95135171	-0.48935200	-9.86005604	-0.50175020	3.55993902	0.53491507	4.30
4.40	-3.57125188	-0.57138880	-6.99000631	-0.48944209	-9.91530113	-0.50172968	3.57890427	0.53518517	4.40
4.50	-3.59027818	-0.57103893	-7.02804326	-0.48952823	-9.96965290	-0.50171014	3.59759513	0.53544567	4.50
4.60	-3.60901847	-0.57072090	-7.06548478	-0.48961069	-10.02314398	-0.50169149	3.61601980	0.53569709	4.60
4.70	-3.62747858	-0.57041497	-7.10235184	-0.48968969	-10.07580517	-0.50167368	3.63418616	0.53593991	4.70
4.80	-3.64567175	-0.57012043	-7.13866437	-0.48976545	-10.12766561	-0.50165666	3.65210179	0.53617459	4.80
4.90	-3.66360371	-0.56983863	-7.17444[illegible]	-0.48983818	-10.17875285	-0.50164037	3.66977398	0.53640154	4.90
5.00	-3.68128380	-0.56956298	-7.209700[illegible]	-0.48990806	-10.22909301	-0.50162476	3.68720973	0.53662116	5.00

Table 3

EXTREMA FOR THE INTEGRAL OF THE GENERALIZED AIRY FUNCTION P = 3 Q = 6

ALPHA	X	AI1(X)	X	AI1(X)	X	AI1(X)	X	AI1(X)	ALPHA
0	-2.33810741	-0.77435206	-4.08794944	0.30824286	-5.52055983	-0.55503436			0
0.10	-2.28450431	-0.70252455	-4.21938635	-0.41773760	-5.93232148	0.53513115			0.10
0.20	-2.32841076	-0.67174602	-4.44081085	-0.43801809	-6.31413277	-0.52300848			0.20
0.30	-2.39064227	-0.65553754	-4.61376500	-0.44678297	-6.59495158	-0.51956477	2.25005	0.49825403	0.30
0.40	-2.44871273	-0.64519345	-4.75552972	-0.45183952	-6.81959408	-0.51720823	2.23638477	0.50468945	0.40
0.50	-2.50075059	-0.63787031	-4.87623178	-0.45519481	-7.00828896	-0.51569068	2.26561544	0.50992451	0.50
0.60	-2.54771301	-0.63233927	-4.98178155	-0.45761425	-7.17182920	-0.51463707	2.30493958	0.51416400	0.60
0.70	-2.59048380	-0.62797287	-5.07581122	-0.45945784	-7.31668270	-0.51384277	2.34618589	0.51765565	0.70
0.80	-2.62977089	-0.62441327	-5.16084686	-0.46091901	-7.44705001	-0.51322227	2.38668473	0.52058497	0.80
0.90	-2.66812817	-0.62143959	-5.23859975	-0.46211168	-7.56582368	0.51272168	2.42554498	0.52308356	0.90
1.00	-2.69999069	-0.61890723	-5.31033416	-0.46310773	7.67508623	-0.51230766	2.46254978	0.52524532	1.00
1.10	-2.73170410	-0.61671700	-5.37700305	-0.46395491	-7.77639026	-0.51195840	2.49767117	0.52713855	1.10
1.20	-2.76154688	-0.61478838	-5.43934357	-0.46468632	-7.87092646	0.51165900	2.53099926	0.52881397	1.20
1.30	-2.78974546	-0.61308954	-5.49793846	-0.46532568	-7.95962936	-0.51139888	2.56265891	0.53031001	1.30
1.40	-2.81648793	-0.61158162	-5.55325683	-0.46589049	-8.04324691	-0.51117035	2.59278231	0.53165632	1.40
1.50	-2.84193088	-0.61021466	-5.60568231	-0.46639394	8.12238767	-0.51096762	2.62149712	0.53287619	1.50
1.60	-2.86620578	-0.60897524	-5.65553290	-0.46684621	-8.19755393	-0.51078628	2.64892169	0.53398815	1.60
1.70	-2.88942580	-0.60784472	-5.70307532	-0.46725528	-8.26916543	0.51062291	2.67516380	0.53500718	1.70
1.80	-2.91168733	-0.60680806	-5.74853564	-0.46762751	-8.33757675	-0.51047478	2.70031971	0.53594549	1.80
1.90	-2.93307397	-0.60585298	-5.79210725	-0.46796803	-8.40309033	0.51033971	2.72447682	0.53681320	1.90
2.00	-2.95365857	-0.60498030	-5.83395696	-0.46828103	-8.46596638	-0.51021593	2.74771259	0.53761870	2.00
2.10	-2.97350500	-0.60414859	-5.87422975	-0.46856996	-8.52643049	-0.51010197	2.77009657	0.53836909	2.10
2.20	-2.99266957	-0.60338371	-5.91305243	-0.46883772	-8.58467981	-0.50999664	2.79169108	0.53907036	2.20
2.30	-3.01120224	-0.60266862	-5.95053864	-0.46908613	-8.64088677	-0.50989891	2.81255211	0.53972766	2.30
2.40	-3.02914748	-0.60199815	-5.98678120	-0.46931904	-8.69520485	0.50980794	2.83273007	0.54034538	2.40
2.50	-3.04654513	-0.60136785	-6.02187402	-0.46953643	8.74776966	-0.50972299	2.85227043	0.54092734	2.50
2.60	-3.06343097	-0.60077387	-6.05589389	-0.46974039	-8.79870240	-0.50964343	2.87121437	0.54147686	2.60
2.70	-3.07983729	-0.60021285	-6.08891077	-0.46993223	-8.84811174	-0.50956874	2.88959922	0.54199685	2.70
2.80	3.09579331	-0.59968187	-6.12098884	-0.47011310	-8.89609551	-0.50949845	2.90745898	0.54248987	2.80
2.90	-3.11132561	-0.59917833	-6.15218544	-0.47028397	-8.94274211	0.50943214	2.92482455	0.54295815	2.90
3.00	-3.12645839	-0.59869998	-6.18255282	-0.47044574	-8.98813170	-0.50936947	2.94172431	0.54340372	3.00
3.10	-3.14121378	-0.59824473	-6.21213853	-0.47059917	-9.03233722	-0.50931011	2.95818419	0.54382834	3.10
3.20	-3.15561206	-0.59781083	-6.24098606	-0.47074494	-9.07542525	-0.50925379	2.97422802	0.54423361	3.20
3.30	-3.16967189	-0.59739665	-6.26913521	-0.47088366	-9.11745670	-0.50920027	2.98987773	0.54462096	3.30
3.40	-3.18341042	-0.59700075	-6.29662256	-0.47101587	-9.15848752	0.50914932	3.00515354	0.54499166	3.40
3.50	-3.19684353	-0.59662181	-6.32348180	-0.47114206	9.19856914	-0.50910075	3.02007417	0.54534688	3.50
3.60	-3.20998588	-0.59625867	-6.34974403	-0.47126267	-9.23774904	-0.50905438	3.03465693	0.54568767	3.60
3.70	-3.22285110	-0.59591026	-6.37543800	-0.47137809	-9.27607108	-0.50901005	3.04891789	0.54601498	3.70
3.80	-3.23545183	-0.59557560	-6.40059039	-0.47148868	-9.31357593	-0.50896762	3.06287199	0.54632968	3.80
3.90	-3.24779984	-0.59525383	-6.42522598	-0.47159476	-9.35030130	0.50892697	3.07653312	0.54663255	3.90
4.00	-3.25990611	-0.59494413	-6.44936778	-0.47169663	9.38628229	-0.50888796	3.08991426	0.54692432	4.00
4.10	-3.27178092	-0.59464577	-6.47303733	-0.47179455	-9.42155161	-0.50885050	3.10302753	0.54720565	4.10
4.20	-3.28343384	-0.59435807	-6.49625469	-0.47188877	9.45613978	-0.50881449	3.11588426	0.54747715	4.20
4.30	-3.29487388	-0.59408041	-6.51903866	-0.47197951	-9.49007534	-0.50877983	3.12849506	0.54773938	4.30
4.40	-3.30610948	-0.59381223	-6.54140681	-0.47206699	-9.52338502	0.50874646	3.14086991	0.54799286	4.40
4.50	-3.31714857	-0.59355300	-6.56337566	-0.47215139	-9.55609387	-0.50871428	3.15301815	0.54823806	4.50
4.60	-3.32799862	-0.59330223	-6.58496074	-0.47223288	-9.58822545	-0.50868323	3.16494859	0.54847542	4.60
4.70	-3.33866666	-0.59305947	-6.60617662	-0.47231162	-9.61980188	-0.50865326	3.17668952	0.54870536	4.70
4.80	-3.34915933	-0.59282431	-6.62703708	-0.47238777	-9.65084402	-0.50862429	3.18818877	0.54892825	4.80
4.90	-3.35948290	-0.59259635	-6.64755508	-0.47246146	-9.68137152	0.50859627	3.19951370	0.54914444	4.90
5.00	-3.36964330	-0.59237524	-6.66774287	-0.47253282	9.71140295	-0.50856916	3.21065130	0.54935427	5.00

Table 4

EXTREMA FOR THE INTEGRAL OF THE GENERALIZED AIRY FUNCTION. P = 5 Q = 2

ALPHA	X	AI1(X)	X	AI1(X)	X	AI1(X)	X	AI1(X)	ALPHA
0.	-2.47328205	-0.69823873	-4.70001675	-0.35248783	-6.72801722	-0.61982031	2.75425428	0.51598413	0.
0.10	-2.48857877	-0.68023555	-4.70550870	-0.36806676	-6.73022803	-0.60485508	2.85297062	0.51445400	0.10
0.20	-2.50597584	-0.66352819	-4.71219314	-0.38205774	-6.73538878	-0.59188480	2.95229529	0.51306929	0.20
0.30	-2.52551482	-0.64802738	-4.71988828	-0.39460306	-6.74153495	-0.58049253	3.05222812	0.51181610	0.30
0.40	-2.54723981	-0.63385289	-4.72857725	-0.40584837	-6.74883415	-0.57048788	3.15278870	0.51068190	0.40
0.50	-2.57118888	-0.62033083	-4.73828278	-0.41592449	-6.75688803	-0.56170288	3.25391632	0.50965538	0.50
0.60	-2.59744445	-0.60798310	-4.74888754	-0.42494898	-6.76572041	-0.55398032	3.35567005	0.50872832	0.60
0.70	-2.62603308	-0.59857879	-4.76062856	-0.43302746	-6.77570741	-0.54722108	3.45802871	0.50788548	0.70
0.80	-2.65702670	-0.58802375	-4.77317748	-0.44025506	-6.78885749	-0.54128108	3.56098092	0.50712450	0.80
0.90	-2.69049348	-0.57828007	-4.78858988	-0.44671728	-6.79857162	-0.53807008	3.66455509	0.50643585	0.90
1.00	-2.72850851	-0.56729578	-4.80081317	-0.45249113	-6.81145144	-0.53148987	3.76871948	0.50581270	1.00
1.10	-2.76515525	-0.55902444	-4.81578729	-0.45784582	-6.82529848	-0.52748318	3.87348215	0.50524886	1.10
1.20	-2.80852874	-0.55142282	-4.83144115	-0.46224409	-6.84011825	-0.52388144	3.97884103	0.50473874	1.20
1.30	-2.85072744	-0.54445088	-4.84780159	-0.46634188	-6.85581578	-0.52080487	4.08479382	0.50427728	1.30
1.40	-2.89787540	-0.53807034	-4.86444082	-0.46988985	-6.87288560	-0.51821001	4.19133847	0.50385989	1.40
1.50	-2.94810504	-0.53224874	-4.88157327	-0.47323383	-6.88848749	-0.51585092	4.29847223	0.50348242	1.50
1.60	-3.00157088	-0.52884894	-4.89895173	-0.47611490	-6.90824285	-0.51378844	4.40619265	0.50314111	1.60
1.70	-3.05845110	-0.52214010	-4.91841226	-0.47868985	-6.92803540	-0.51188055	4.51448709	0.50283254	1.70
1.80	-3.11895582	-0.51779728	-4.93375754	-0.48093207	-6.94988375	-0.51040154	4.62338283	0.50255362	1.80
1.90	-3.18333327	-0.51389129	-4.95074798	-0.48293144	-6.97175020	-0.50902150	4.73284705	0.50230156	1.90
2.00	-3.25188235	-0.51039857	-4.96708848	-0.48468479	-6.99472257	-0.50781591	4.84288890	0.50207381	2.00
2.10	-3.32498893	-0.50728907	-4.98241810	-0.48624813	-7.01881502	-0.50676318	4.95349846	0.50186807	2.10
2.20	-3.40305005	-0.50454824	-4.99628507	-0.48760888	-7.04408823	-0.50584434	5.06468174	0.50168226	2.20
2.30	-3.48871118	-0.50214888	-5.00803836	-0.48879803	-7.07053573	-0.50504273	5.17843074	0.50151449	2.30
2.40	-3.57872809	-0.50007124	-5.01894173	-0.48983028	-7.09827541	-0.50434371	5.28874341	0.50136305	2.40
2.50	-3.67415939	-0.49830099	-5.02188098	-0.49072399	-7.12738119	-0.50373441	5.40181666	0.50122637	2.50
2.60	-3.78055830	-0.49681948	-5.02127083	-0.49148828	-7.15787995	-0.50320355	5.51504737	0.50110306	2.60
2.70	-3.89833387	-0.49561203	-5.01284235	-0.49213555	-7.18883459	-0.50274123	5.62903243	0.50099183	2.70
2.80	-4.03172413	-0.49468893	-4.99188844	-0.49268874	-7.22384822	-0.50233878	5.74356868	0.50089153	2.80
2.90	-4.18970975	-0.49387773	-4.94937892	-0.49308898	-7.25815858	-0.50198881	5.85885297	0.50080111	2.90
3.00	-4.40184	-0.49355211	-4.85603	-0.49338190	-7.29863050	-0.50168408	5.97428213	0.50071982	3.00
3.10					-7.33825849	-0.50141933	6.09045298	0.50064621	3.10
3.20					-7.37825832	-0.50118938	6.20716235	0.50058009	3.20
3.30					-7.42288273	-0.50098972	6.32440708	0.50052055	3.30
3.40					-7.47041232	-0.50081858	6.44218398	0.50046696	3.40
3.50					-7.52118871	-0.50066858	6.56048981	0.50041874	3.50
3.60					-7.57551355	-0.50053882	6.67932172	0.50037537	3.60
3.70					-7.63385485	-0.50042482	6.79867825	0.50033837	3.70
3.80					-7.69885552	-0.50032842	6.91855039	0.50030131	3.80
3.90					-7.78444498	-0.50024575	7.03884101	0.50026981	3.90
4.00					-7.83784052	-0.50017520	7.15884504	0.50024151	4.00
4.10					-7.91758019	-0.50011540	7.28125937	0.50021609	4.10
4.20					-8.00457989	-0.50006517	7.40318097	0.50019328	4.20
4.30					-8.10003219	-0.50002351	7.52560878	0.50017282	4.30
4.40					-8.20558584	-0.49998955	7.64853379	0.50015446	4.40
4.50					-8.32377937	-0.49996257	7.77195899	0.50013800	4.50
4.60					-8.45887016	-0.49994197	7.89587943	0.50012324	4.60
4.70					-8.61977674	-0.49992731	8.02029215	0.50011002	4.70
4.80					-8.83487215	-0.49991845	8.14519421	0.50009818	4.80
4.90							8.27058273	0.50008758	4.90
5.00							8.39845482	0.50007809	5.00

Table 5

EXTREMA FOR THE INTEGRAL OF THE GENERALIZED AIRY FUNCTION. P = 5 Q = 4

ALPHA	X	AI1(X)	X	AI1(X)	X	AI1(X)	X	AI1(X)	ALPHA
0	-2.47328205	-0.69823673	-4.70001875	-0.35248783	-6.72601722	-0.61982031	2.75425427	0.51580413	0.
0.10	-2.47501879	-0.68561785	-4.70270987	-0.36821290	-6.72924190	-0.60091985	2.75847908	0.51748213	0.10
0.20	-2.48013773	-0.67399251	-4.71074085	-0.38400182	-6.73887398	-0.58518862	2.76270818	0.51895348	0.20
0.30	-2.48847456	-0.66333180	-4.72389892	-0.39702418	-6.75481587	-0.57190409	2.77232686	0.52038844	0.30
0.40	-2.49983280	-0.65359852	-4.74233297	-0.40846215	-6.77692564	-0.56091929	2.78480869	0.52177935	0.40
0.50	-2.51398984	-0.64473944	-4.76554137	-0.41848857	-6.80501771	-0.55185886	2.79968754	0.52312048	0.50
0.60	-2.53070359	-0.63870748	-4.79338848	-0.42725635	-6.83886859	-0.54381447	2.81658022	0.52440780	0.60
0.70	-2.54871925	-0.62944383	-4.82550358	-0.43491786	-6.87820855	-0.53743892	2.83507787	0.52563881	0.70
0.80	-2.57077601	-0.62280882	-4.86185718	-0.44160381	-6.92275050	-0.53202628	2.85493865	0.52681221	0.80
0.90	-2.59381331	-0.61690856	-4.90184695	-0.44743440	-6.97216429	-0.52749724	2.87588408	0.52792777	0.90
1.00	-2.61797638	-0.61167821	-4.94521418	-0.45251778	-7.02610155	-0.52370466	2.89769184	0.52898605	1.00
1.10	-2.64362101	-0.60690312	-4.99158889	-0.45694980	-7.08419381	-0.52052460	2.92017214	0.52998826	1.10
1.20	-2.67031729	-0.60261450	-5.04083579	-0.46081506	-7.14605801	-0.51785389	2.94318331	0.53093811	1.20
1.30	-2.69785238	-0.59876104	-5.09196300	-0.46418866	-7.21130709	-0.51560583	2.96652810	0.53183181	1.30
1.40	-2.72603218	-0.59529715	-5.14522631	-0.46713606	-7.27954565	-0.51370987	2.99015042	0.53267704	1.40
1.50	-2.75468246	-0.59218111	-5.20008568	-0.46971445	-7.35038540	-0.51210885	3.01393237	0.53347482	1.50
1.60	-2.78384877	-0.58937507	-5.25621956	-0.47197381	-7.42344540	-0.51074701	3.03779176	0.53422741	1.60
1.70	-2.81279610	-0.58684490	-5.31332884	-0.47395660	-7.49835789	-0.50959056	3.06165985	0.53493732	1.70
1.80	-2.84200789	-0.58458002	-5.37113817	-0.47570098	-7.57477145	-0.50860378	3.08547942	0.53560701	1.80
1.90	-2.87118477	-0.58249318	-5.42930958	-0.47723870	-7.65238635	-0.50775886	3.10920308	0.53623890	1.90
2.00	-2.90024307	-0.58062014	-5.48780898	-0.47858758	-7.73080522	-0.50703317	3.13279185	0.53683529	2.00
2.10	-2.92911328	-0.57891944	-5.54641689	-0.47980147	-7.80983585	-0.50640740	3.15621386	0.53739843	2.10
2.20	-2.95773842	-0.57737211	-5.60480777	-0.48087089	-7.88919201	-0.50586590	3.17944331	0.53793042	2.20
2.30	-2.98607253	-0.57598139	-5.6628:787	-0.48182346	-7.96864388	-0.50539559	3.20245954	0.53843326	2.30
2.40	-3.01407918	-0.57467252	-5.72082351	-0.48267431	-8.04788786	-0.50498559	3.22524621	0.53890885	2.40
2.50	-3.04173009	-0.57349248	-5.77782258	-0.48343844	-8.12704482	-0.50462682	3.24779067	0.53935895	2.50
2.60	-3.06900405	-0.57240979	-5.83443089	-0.48412104	-8.20586081	-0.50431172	3.27008333	0.53978522	2.60
2.70	-3.09588586	-0.57141435	-5.89037995	-0.48473772	-8.28370357	-0.50403395	3.29211722	0.54018920	2.70
2.80	-3.12238447	-0.57049722	-5.94561695	-0.48529478	-8.36106183	-0.50378821	3.31388752	0.54057235	2.80
2.90	-3.14843413	-0.56965054	-6.00010075	-0.48579837	-8.43764291	-0.50357001	3.33539126	0.54093601	2.90
3.00	-3.17409187	-0.56886732	-6.05380121	-0.48625787	-8.51337143	-0.50337559	3.35662695	0.54128143	3.00
3.10	-3.19933680	-0.56814141	-6.10680736	-0.48667502	-8.58810700	-0.50320178	3.37759439	0.54160977	3.10
3.20	-3.22417172	-0.56746734	-6.15877599	-0.48705607	-8.66204253	-0.50304506	3.39829440	0.54192211	3.20
3.30	-3.24860008	-0.56684025	-6.21003040	-0.48740485	-8.73490258	-0.50290555	3.41872686	0.54221946	3.30
3.40	-3.27262715	-0.56625584	-6.26045928	-0.48772487	-8.80674178	-0.50277888	3.43889956	0.54250275	3.40
3.50	-3.29625929	-0.56571026	-6.31006573	-0.48801918	-8.87754340	-0.50266419	3.45881004	0.54277284	3.50
3.60	-3.31950370	-0.56520007	-6.35885850	-0.48829049	-8.94729807	-0.50256003	3.47848350	0.54303054	3.60
3.70	-3.34236819	-0.56472222	-6.40684126	-0.48854112	-9.01600288	-0.50246518	3.49788371	0.54327660	3.70
3.80	-3.36486106	-0.56427398	-6.45403194	-0.48877318	-9.08365824	-0.50237856	3.51701471	0.54351172	3.80
3.90	-3.38699092	-0.56385281	-6.50044231	-0.48898841	-9.15027420	-0.50229926	3.53592077	0.54373652	3.90
4.00	-3.40876655	-0.56345658	-6.54608749	-0.48918850	-9.21585749	-0.50222647	3.55458629	0.54395163	4.00
4.10	-3.43019688	-0.56308326	-6.59098382	-0.48937483	-9.28042193	-0.50215950	3.57301580	0.54415759	4.10
4.20	-3.45129077	-0.56273105	-6.63514755	-0.48954867	-9.34398208	-0.50209774	3.59121390	0.54435493	4.20
4.30	-3.47205713	-0.56239834	-6.67858863	-0.48971114	-9.40655669	-0.50204066	3.60918523	0.54454413	4.30
4.40	-3.49250475	-0.56208384	-6.72134846	-0.48986324	-9.46816235	-0.50198778	3.62693443	0.54472565	4.40
4.50	-3.51264225	-0.56178582	-6.76342075	-0.49000587	-9.52881907	-0.50193871	3.64446613	0.54489990	4.50
4.60	-3.53247815	-0.56150308	-6.80483121	-0.49013982	-9.58854703	-0.50189308	3.66178494	0.54506728	4.60
4.70	-3.55202074	-0.56123490	-6.84559739	-0.49026580	-9.64738692	-0.50185056	3.67889541	0.54522815	4.70
4.80	-3.57127813	-0.56098008	-6.88573664	-0.49038447	-9.70529974	-0.50181087	3.69580206	0.54538287	4.80
4.90	-3.59025821	-0.56073770	-6.92526602	-0.49049640	-9.76238660	-0.50177376	3.71250929	0.54553174	4.90
5.00	-3.60896865	-0.56050693	-6.96420225	-0.49060211	-9.81858860	-0.50173900	3.72902148	0.54567509	5.00

Table 6

EXTREMA FOR THE INTEGRAL OF THE GENERALIZED AIRY FUNCTION. P = 5 Q = 6

ALPHA	X	AI1(X)	X	AI1(X)	X	AI1(X)	X	AI1(X)	ALPHA
0.	-2.47328205	-0.69823873	-4.70001675	-0.35246703	-6.72601722	-0.61982031	2.75425427	0.51598413	0
0.10	-2.45730923	-0.68318801	-4.68770547	-0.37818274	-6.72318307	-0.58915461	2.69984454	0.51783594	0.10
0.20	-2.45311734	-0.66932943	-4.70120265	-0.39530941	-6.76141814	-0.56763490	2.65382993	0.51984787	0.20
0.30	-2.45972172	-0.65728386	-4.73530238	-0.41001933	-6.82984900	-0.55300882	2.62025548	0.52197284	0.30
0.40	-2.47460668	-0.64715271	-4.78314739	-0.42113241	-6.91658052	-0.54306108	2.60058619	0.52449095	0.40
0.50	-2.49507410	-0.63878205	-4.83888627	-0.42955745	-7.01205891	-0.53814548	2.59348924	0.52705908	0.50
0.60	-2.51895218	-0.63183003	-4.89840894	-0.43803894	-7.11087786	-0.53118771	2.59624118	0.52956068	0.60
0.70	-2.54470857	-0.62607578	-4.95923309	-0.44111229	-7.20909845	-0.52752107	2.60804913	0.53192328	0.70
0.80	-2.57132932	-0.62125870	-5.01983711	-0.44516314	-7.30552519	-0.52473031	2.62083506	0.53411234	0.80
0.90	-2.59818603	-0.61719023	-5.07935703	-0.44845404	-7.39903987	-0.52255154	2.63832285	0.53611861	0.90
1.00	-2.62481382	-0.61371791	-5.13732376	-0.45117094	-7.48823321	-0.52081247	2.65793785	0.53794714	1.00
1.10	-2.65102516	-0.61072713	-5.19350439	-0.45344848	-7.57507831	-0.51938751	2.67887550	0.53961007	1.10
1.20	-2.67665558	-0.60812830	-5.24780685	-0.45537889	-7.65830588	-0.51822893	2.69999061	0.54112232	1.20
1.30	-2.70182523	-0.60585156	-5.30022227	-0.45703318	-7.73833088	-0.51724441	2.72151595	0.54249823	1.30
1.40	-2.72589830	-0.60384207	-5.35078999	-0.45848887	-7.81820984	-0.51640924	2.74300556	0.54375543	1.40
1.50	-2.74945788	-0.60205630	-5.39957821	-0.45972401	-7.89011742	-0.51580139	2.76429809	0.54490429	1.50
1.60	-2.77231501	0.60045945	-5.44686100	0.46083084	-7.96123286	-0.51506827	2.78528063	0.54595779	1.60
1.70	-2.79449446	-0.59902338	-5.49213031	-0.46181323	-8.02873016	-0.51452286	2.80580104	0.54692649	1.70
1.80	-2.81598831	-0.59772518	-5.53607121	-0.46268134	-8.09577677	-0.51404117	2.82608581	0.54781968	1.80
1.90	-2.83685232	-0.59654801	-5.57856902	-0.46348089	-8.15852934	-0.51361329	2.84584188	0.54864547	1.90
2.00	-2.85710391	-0.59547027	-5.61970571	-0.46419403	-8.22113397	-0.51323085	2.86514885	0.54941095	2.00
2.10	-2.87677095	-0.59448494	-5.65955900	-0.46484182	-8.28072587	-0.51288850	2.88400506	0.55012231	2.10
2.20	-2.89588105	-0.59357907	-5.69820203	-0.46543288	-8.33843024	-0.51257537	2.90241479	0.55078498	2.20
2.30	-2.91446107	-0.59274340	-5.73570322	-0.46597380	-8.39438188	-0.51229275	2.92038635	0.55140372	2.30
2.40	-2.93253885	-0.59197003	-5.77212837	-0.46647123	-8.44882882	-0.51203493	2.93793064	0.55198270	2.40
2.50	-2.95013303	-0.59125220	-5.80753084	-0.46693006	-8.50132260	-0.51179879	2.95506024	0.55252562	2.50
2.60	-2.96727298	-0.59058412	-5.84197183	-0.46735484	-8.55253905	-0.51158171	2.97178867	0.55303571	2.60
2.70	-2.98397880	-0.58996072	-5.87550059	-0.46774869	-8.60235084	-0.51138149	2.98812995	0.55351587	2.70
2.80	-3.00027131	-0.58937784	-5.90816476	-0.46811541	-8.65085084	-0.51119623	3.00409821	0.55396866	2.80
2.90	-3.01617011	-0.58883105	-5.94000860	-0.46845756	-8.69810889	-0.51102431	3.01970749	0.55439838	2.90
3.00	-3.03169361	-0.58831759	-5.97107326	-0.46877755	-8.74417433	-0.51086435	3.03497155	0.55480102	3.00
3.10	-3.04685912	-0.58783430	-6.00139704	-0.46907749	-8.78911587	-0.51071513	3.04990378	0.55518445	3.10
3.20	-3.06168209	-0.58737857	-6.03101562	-0.46935923	-8.83298863	-0.51057561	3.06451713	0.55554829	3.20
3.30	-3.07618016	-0.58694807	-6.05986225	-0.46962430	-8.87584733	-0.51044487	3.07882404	0.55589404	3.30
3.40	-3.09036529	-0.58654073	-6.08826797	-0.46987439	-8.91773747	-0.51032209	3.09283844	0.55622301	3.40
3.50	-3.10425173	-0.58615472	-6.11598177	-0.47011053	-8.95870508	-0.51020858	3.10658576	0.55653641	3.50
3.60	-3.11785217	-0.58578838	-6.14307078	-0.47033394	-8.99878219	-0.51009789	3.12002288	0.55683535	3.60
3.70	-3.13117851	-0.58544018	-6.16982040	-0.47054584	-9.03803804	-0.50999488	3.13321820	0.55712080	3.70
3.80	-3.14424198	-0.58510883	-6.19563442	-0.47074853	-9.07647930	-0.50989764	3.14616160	0.55739368	3.80
3.90	-3.15705314	-0.58479310	-6.22113519	-0.47093743	-9.11415034	-0.50980553	3.15886250	0.55765482	3.90
4.00	-3.16962197	-0.58449190	-6.24614370	-0.47111909	-9.15108335	-0.50971815	3.17132985	0.55790496	4.00
4.10	3.18195788	-0.58420422	-6.27067989	-0.47129216	-9.18730856	-0.50963514	3.18357218	0.55814480	4.10
4.20	-3.19408973	-0.58392916	-6.29476174	-0.47145724	-9.22285437	-0.50955618	3.19558759	0.55837497	4.20
4.30	-3.20598594	-0.58366589	-6.31840738	-0.47161490	-9.25774752	-0.50948097	3.20741379	0.55859606	4.30
4.40	-3.21765443	-0.58341366	-6.34163308	-0.47176562	-9.29201317	-0.50940926	3.21902811	0.55880860	4.40
4.50	-3.22914273	. 58317177	-6.36445451	-0.47190986	9.32567506	-0.50934080	3.23044752	0.55901309	4.50
4.60	-3.24043798	-0.58293959	-6.38688639	-0.47204805	-9.35875561	-0.50927537	3.24167888	0.55920999	4.60
4.70	-3.25154887	-0.58271653	-6.40894289	-0.47218054	-9.39127599	-0.50921278	3.25272790	0.55939973	4.70
4.80	-3.26247587	-0.58250205	-6.43063863	-0.47230771	-9.42325623	-0.50915284	3.26360122	0.55958268	4.80
4.90	3.27323104	-0.58229567	-6.45198073	-0.47242986	-9.45471529	-0.50909538	3.27430438	0.55975923	4.90
5.00	-3.28381818	-0.58209691	-6.47298690	-0.47254730	-9.48567117	-0.50904025	3.28484286	0.55992970	5.00

Table 7

EXTREMA FOR THE INTEGRAL OF THE GENERALIZED AIRY FUNCTION. P = 7 Q = 2

ALPHA	X	AI1(X)	X	AI1(X)	X	AI1(X)	X	AI1(X)	ALPHA
0.	-2.55120662	-0.66810613	-4.97653462	-0.37764346	-7.27760389	-0.60068913	2.65450284	0.53086757	0
0.10	-2.57162261	-0.65244810	-4.98380872	-0.38817045	-7.28240970	-0.59122217	2.73169489	0.52806565	0.10
0.20	-2.59357390	-0.63962952	-4.99138851	-0.39782782	-7.28754583	-0.58263209	2.80989287	0.52548783	0.20
0.30	-2.61709860	-0.62760378	-4.99952683	-0.40688461	-7.29309880	-0.57483855	2.88911586	0.52311758	0.30
0.40	-2.64223733	-0.61632742	-5.00815403	-0.41488434	-7.29906531	-0.56776856	2.96938369	0.52093960	0.40
0.50	-2.66903348	-0.60575981	-5.01722784	-0.42224547	-7.30544130	-0.56135580	3.05071704	0.51893968	0.50
0.60	-2.69753365	-0.59586300	-5.02672203	-0.42906181	-7.31222282	-0.55553998	3.13313755	0.51710464	0.60
0.70	-2.72778803	-0.58660147	-5.03660788	-0.43530289	-7.31940606	-0.55026635	3.21666793	0.51542223	0.70
0.80	-2.75985093	-0.57794195	-5.04685171	-0.44101433	-7.32698850	-0.54548512	3.30133211	0.51388110	0.80
0.90	-2.79378139	-0.56985327	-5.05741523	-0.44623815	-7.33495883	-0.54115104	3.38715536	0.51247069	0.90
1.00	-2.82964385	-0.56230618	-5.06825461	-0.45101305	-7.34332200	-0.53722299	3.47416452	0.51118119	1.00
1.10	-2.86750905	-0.55527322	-5.07931952	-0.45537468	-7.35206838	-0.53366358	3.56238811	0.51000350	1.10
1.20	-2.90745500	-0.54872059	-5.09055212	-0.45935589	-7.36119475	-0.53043882	3.65185662	0.50892915	1.20
1.30	-2.94956825	-0.54264802	-5.10188588	-0.46298683	-7.37068709	-0.52751782	3.74260272	0.50795026	1.30
1.40	-2.99394542	-0.53700866	-5.11324300	-0.46629567	-7.38057154	-0.52487250	3.83466155	0.50705953	1.40
1.50	-3.04069505	-0.53178898	-5.12453438	-0.46930777	-7.39081463	-0.52247731	3.92807106	0.50625016	1.50
1.60	-3.08994005	-0.52696872	-5.13565501	-0.47204685	-7.40142345	-0.52030904	4.02287241	0.50551581	1.60
1.70	-3.14182068	-0.52252872	-5.14648194	-0.47453463	-7.41239575	-0.51834861	4.11911038	0.50485061	1.70
1.80	-3.19649852	-0.51845093	-5.15686880	-0.47679111	-7.42373017	-0.51657081	4.21683394	0.50424911	1.80
1.90	-3.25418163	-0.51471832	-5.16664542	-0.47883461	-7.43542647	-0.51498423	4.31609686	0.50370621	1.90
2.00	-3.31503152	-0.51131480	-5.17560062	-0.48068195	-7.44748584	-0.51351101	4.41695847	0.50321721	2.00
2.10	-3.37937267	-0.50822522	-5.18348233	-0.48234850	-7.45991116	-0.51219676	4.51948457	0.50277771	2.10
2.20	-3.44750598	-0.50543529	-5.18997877	-0.48384827	-7.47270740	-0.51100839	4.62374856	0.50238366	2.20
2.30	-3.51982828	-0.50293162	-5.19468954	-0.48519395	-7.48588208	-0.50993401	4.72983275	0.50203125	2.30
2.40	-3.59684170	-0.50070169	-5.19714577	-0.48639695	-7.49944573	-0.50896282	4.83783014	0.50171698	2.40
2.50	-3.67919972	-0.49873389	-5.19666345	-0.48746740	-7.51341247	-0.50808500	4.94784647	0.50143760	2.50
2.60	-3.76778371	-0.49701761	-5.19238634	-0.48841408	-7.52780085	-0.50729185	5.06000300	0.50119009	2.60
2.70	-3.86383879	-0.49554344	-5.18299838	-0.48924422	-7.54263359	-0.50657488	5.17444003	0.50097164	2.70
2.80	-3.96923840	-0.49430350	-5.16667328	-0.48996332	-7.55794037	-0.50592674	5.29132148	0.50077966	2.80
2.90	-4.08706983	-0.49329209	-5.14027831	-0.49057435	-7.57375889	-0.50534116	5.41084119	0.50061176	2.90
3.00	-4.22320988	-0.49250737	-5.09790769	-0.49107820	-7.59012585	-0.50481191	5.53323134	0.50046571	3.00
3.10	-4.39235087	-0.49195592	-5.02482256	-0.49145911	-7.60709875	-0.50433350	5.65877448	0.50033946	3.10
3.20	-4.70184	-0.49167995	-4.81384	-0.49167744	-7.62473983	-0.50390095	5.78782072	0.50023113	3.20
3.30					-7.64311862	-0.50350977	5.92081356	0.50013897	3.30
3.40					-7.66231973	-0.50315588	6.05833019	0.50006139	3.40
3.50					-7.68243980	-0.50283558	6.20114742	0.49999692	3.50
3.60					-7.70358875	-0.50254556	6.35035735	0.49994422	3.60
3.70					-7.72589039	-0.50228279	6.50758767	0.49990208	3.70
3.80					-7.74948270	-0.50204456	6.67547403	0.49986944	3.80
3.90					-7.77451768	-0.50182843	6.85806660	0.49984536	3.90
4.00					-7.80118079	-0.50163220	7.06898955	0.49982912	4.00
4.10					-7.82958002	-0.50145391	7.35412	0.49982051	4.10
4.20					-7.85999445	-0.50129180			4.20
4.30					-7.89257258	-0.50114429			4.30
4.40					-7.92753042	-0.50101000			4.40
4.50					-7.96507959	-0.50088769			4.50
4.60					-8.00543572	-0.50077626			4.60
4.70					-8.04881733	-0.50067475			4.70
4.80					-8.09544568	-0.50058233			4.80
4.90					-8.14554586	-0.50049824			4.90
5.00					-8.19934825	-0.50042186			5.00

Table 8

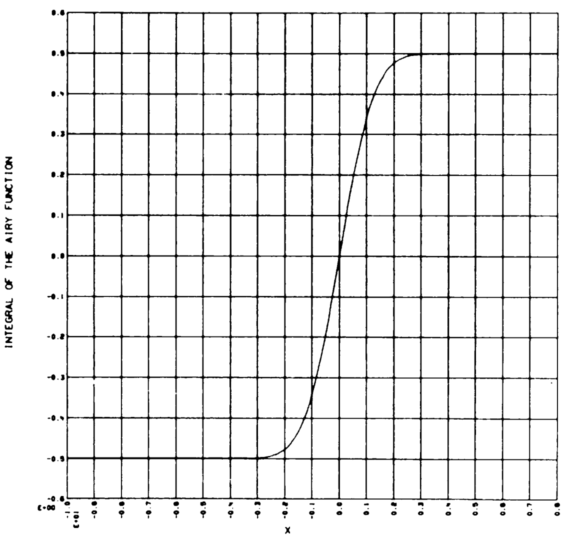
EXTREMA FOR THE INTEGRAL OF THE GENERALIZED AIRY FUNCTION. P = 7 Q = 4

ALPHA	X	AI1(X)	X	AI1(X)	X	AI1(X)	X	AI1(X)	ALPHA
0	-2.55120862	-0.66610613	-4.97853462	-0.37784348	-7.27780389	-0.60088913	2.65450284	0.53086757	0
0.10	-2.56015267	-0.65853593	-4.98401193	-0.38084133	-7.28302891	-0.59152375	2.68141135	0.53185771	0.10
0.20	-2.57037824	-0.65141587	-4.99325474	-0.39498189	-7.29004625	-0.58318856	2.70825899	0.53279595	0.20
0.30	-2.58183310	-0.64472724	-5.00428602	-0.40273828	-7.29874783	-0.57560420	2.73501098	0.53368486	0.30
0.40	-2.59447650	-0.63845138	-5.01704758	-0.40992087	-7.30913575	-0.56870957	2.76163740	0.53452694	0.40
0.50	-2.60825731	-0.63258862	-5.03158872	-0.41657780	-7.32121223	-0.56244135	2.78811253	0.53532460	0.50
0.60	-2.62312417	-0.62708382	-5.04792124	-0.42274385	-7.33497875	-0.55674351	2.81441435	0.53608017	0.60
0.70	-2.63902386	-0.62191514	-5.06600885	-0.42845314	-7.35044100	-0.55158489	2.84052405	0.53679588	0.70
0.80	-2.65590052	-0.61710624	-5.08585705	-0.43373628	-7.36758895	-0.54685879	2.86642562	0.53747386	0.80
0.90	-2.67369783	-0.61261928	-5.10745777	-0.43882244	-7.38845886	-0.54258262	2.89210552	0.53811617	0.90
1.00	-2.69235734	-0.60843701	-5.13079887	-0.44313882	-7.40701830	-0.53868754	2.91755238	0.53872473	1.00
1.10	-2.71181988	-0.60454257	-5.15588835	-0.44731085	-7.42828713	-0.53518814	2.94275876	0.53930142	1.10
1.20	-2.73202489	-0.60091955	-5.18264790	-0.45118231	-7.45328750	-0.53198218	2.96771089	0.53984798	1.20
1.30	-2.75291175	-0.59755203	-5.21111382	-0.45471541	-7.47898379	-0.52905829	2.99240851	0.54038609	1.30
1.40	-2.77442007	-0.59442459	-5.24124009	-0.45798098	-7.50638058	-0.52640573	3.01684487	0.54085734	1.40
1.50	-2.79648907	-0.59152236	-5.27298816	-0.46100835	-7.53552254	-0.52400418	3.04101559	0.54132323	1.50
1.60	-2.81905867	-0.58883105	-5.30634584	-0.46378579	-7.56638427	-0.52182351	3.06491850	0.54178518	1.60
1.70	-2.84206871	-0.58633882	-5.34124700	-0.46834027	-7.59888019	-0.51984380	3.08855158	0.54218454	1.70
1.80	-2.86546418	-0.58402686	-5.37785316	-0.46868770	-7.63334428	-0.51804615	3.11191377	0.54258257	1.80
1.90	-2.88918557	-0.58188838	-5.41551133	-0.47084298	-7.66842886	-0.51641458	3.13500476	0.54296047	1.90
2.00	-2.91317824	-0.57990950	-5.45476293	-0.47282007	-7.70725820	-0.51493372	3.15782483	0.54331939	2.00
2.10	-2.93739258	-0.57807902	-5.49534380	-0.47463203	-7.74883320	-0.51358891	3.18037483	0.54366037	2.10
2.20	-2.96177531	-0.57638823	-5.53718325	-0.47629110	-7.78815083	-0.51237088	3.20265608	0.54398443	2.20
2.30	-2.98627986	-0.57482107	-5.58020831	-0.47780875	-7.83120909	-0.51128470	3.22467034	0.54429252	2.30
2.40	-3.01088057	-0.57337407	-5.62433201	-0.47918574	-7.87800148	-0.51028171	3.24641970	0.54458554	2.40
2.50	-3.03547570	-0.57203834	-5.66947481	-0.48048213	-7.92251037	-0.50935238	3.26790661	0.54486431	2.50
2.60	-3.06008599	-0.57079857	-5.71554492	-0.48161735	-7.97074579	-0.50852823	3.28913376	0.54512964	2.60
2.70	-3.08465485	-0.56965598	-5.76244890	[illegible]	-8.02088485	-0.50778156	3.31010409	0.54538227	2.70
2.80	-3.10914902	-0.56859833	-5.81009845	-0.48382983	-8.07225100	-0.50710537	3.33082074	0.54562291	2.80
2.90	-3.13353813	-0.56761889	-5.85837117	-0.48450145	-8.12547328	-0.50649331	3.35128702	0.54585221	2.90
3.00	-3.15779478	-0.56671441	-5.90719144	-0.48529470	-8.18029388	-0.50593858	3.37150837	0.54607080	3.00
3.10	-3.18189440	-0.56587808	-5.95645133	-0.48601547	-8.23868835	-0.50543891	3.39148236	0.54627925	3.10
3.20	-3.20581521	-0.56509855	-6.00605159	-0.48667000	-8.29453716	-0.50498851	3.41121865	0.54647813	3.20
3.30	-3.22953807	-0.56437988	-6.05588452	-0.48726409	-8.35384321	-0.50457881	3.43071895	0.54666798	3.30
3.40	-3.25304634	-0.56371249	-6.10588494	-0.48780311	-8.41451251	-0.50420941	3.44998707	0.54684921	3.40
3.50	-3.27632578	-0.56309318	-6.15583105	-0.48829202	-8.47846387	-0.50387708	3.46902682	0.54702235	3.50
3.60	-3.29938431	-0.56251808	-6.20594517	-0.48873539	-8.53880701	-0.50357784	3.48784204	0.54718781	3.60
3.70	-3.32215195	-0.56198384	-6.25584451	-0.48913746	-8.60384288	-0.50330811	3.50643660	0.54734600	3.70
3.80	-3.34468056	-0.56148859	-6.30555169	-0.48950208	-8.66888424	-0.50306567	3.52481436	0.54749730	3.80
3.90	-3.36694378	-0.56102393	-6.35499525	-0.48983281	-8.73515846	-0.50284778	3.54297918	0.54764207	3.90
4.00	-3.38893672	-0.56059293	-6.40410988	-0.49013289	-8.80198881	-0.50265211	3.56093488	0.54778065	4.00
4.10	-3.41065600	-0.56019105	-6.45283711	-0.49040527	-8.86948471	-0.50247852	3.57868528	0.54791337	4.10
4.20	-3.43209946	-0.55981601	-6.50112441	-0.49065266	-8.93742528	-0.50231905	3.59823415	0.54804051	4.20
4.30	-3.45328604	-0.55946567	-6.54892616	-0.49087749	-9.00574878	-0.50217792	3.61358525	0.54816237	4.30
4.40	-3.47415572	-0.55913812	-6.59620302	-0.49108198	-9.07430350	-0.50205150	3.63074225	0.54827922	4.40
4.50	-3.49478930	-0.55883157	-6.64292178	-0.49128813	-9.14295828	-0.50193830	3.64770883	0.54839131	4.50
4.60	-3.51510838	-0.55854441	-6.68905505	-0.49143775	-9.21158907	-0.50183697	3.66448858	0.54849887	4.60
4.70	-3.53517517	-0.55827516	-6.73458093	-0.49159248	-9.28007069	-0.50174627	3.68108505	0.54860212	4.70
4.80	-3.55497246	-0.55802248	-6.77948260	-0.49173378	-9.34828824	-0.50166509	3.69750173	0.54870129	4.80
4.90	-3.57450353	-0.55778506	-6.82374785	-0.49186298	-9.41613338	-0.50159241	3.71374206	0.54879658	4.90
5.00	-3.59377200	-0.55756182	-6.86736866	-0.49198126	-9.48350638	-0.50152733	3.72980941	0.54888816	5.00

Table 9

EXTREMA FOR THE INTEGRAL OF THE GENERALIZED AIRY FUNCTION. P = 7 Q = 6

ALPHA	X	AI1(X)	X	AI1(X)	X	AI1(X)	X	AI1(X)	ALPHA
0	-2.55120862	-0.86610613	-4.97653462	-0.37784346	-7.27789389	-0.60068913	2.65450284	0.53088757	0
0.10	-2.55253427	-0.85875377	-4.97888211	-0.38756097	-7.28079072	-0.58908754	2.65595481	0.53261511	0.10
0.20	-2.55643143	-0.85187815	-4.98583509	-0.39856269	-7.29000025	-0.57890614	2.66010299	0.53433691	0.20
0.30	-2.56273741	-0.84549199	-4.99720222	-0.40468742	-7.30513258	-0.57001220	2.66662979	0.53601899	0.30
0.40	-2.57125653	-0.83958624	-5.01272385	-0.41198475	-7.32591293	-0.56227252	2.67522107	0.53764989	0.40
0.50	-2.58176836	-0.83418182	-5.03208403	-0.41851182	-7.35198250	-0.55555753	2.68557538	0.53922070	0.50
0.60	-2.59403812	-0.82923148	-5.05482445	-0.42433017	-7.38298187	-0.54974449	2.69741094	0.54072496	0.60
0.70	-2.60782641	-0.82472184	-5.08085818	-0.42950314	-7.41838604	-0.54471954	2.71046997	0.54215845	0.70
0.80	-2.62289763	-0.82062529	-5.10948921	-0.43409358	-7.45772033	-0.54037898	2.72452090	0.54351888	0.80
0.90	-2.63902681	-0.81691174	-5.14041584	-0.43816228	-7.50052601	-0.53662969	2.73935897	0.54480562	0.90
1.00	-2.65600459	-0.81355007	-5.17325219	-0.44178850	-7.54628484	-0.53338927	2.75480553	0.54601933	1.00
1.10	-2.67364054	-0.81050822	-5.20763235	-0.44495951	-7.59451182	-0.53058540	2.77070662	0.54716170	1.10
1.20	-2.69176488	-0.80775913	-5.24321808	-0.44778988	-7.64474565	-0.52815527	2.78693096	0.54823519	1.20
1.30	-2.71022897	-0.80527128	-5.27970311	-0.45030148	-7.69655670	-0.52604466	2.80336769	0.54924275	1.30
1.40	-2.72890478	-0.80301908	-5.31681526	-0.45253348	-7.74955245	-0.52420706	2.81982408	0.55018769	1.40
1.50	-2.74788369	-0.80097805	-5.35431680	-0.45452053	-7.80338057	-0.52260277	2.83652325	0.55107351	1.50
1.60	-2.76647489	-0.59912594	-5.39200339	-0.45629324	-7.85772988	-0.52119787	2.85310201	0.55190376	1.60
1.70	-2.78520354	-0.59744264	-5.42970208	-0.45787832	-7.91233025	-0.51998385	2.86960890	0.55268199	1.70
1.80	-2.80380880	-0.59591010	-5.46726865	-0.45929811	-7.96694976	-0.51887639	2.88600243	0.55341165	1.80
1.90	-2.82224198	-0.59451223	-5.50458465	-0.46057590	-8.02138301	-0.51791465	2.90224956	0.55409608	1.90
2.00	-2.84048473	-0.59323470	-5.54155435	-0.46172833	-8.07549737	-0.51706128	2.91832428	0.55473844	2.00
2.10	-2.85844755	-0.59206479	-5.57810170	-0.46276587	-8.12912981	-0.51630145	2.93420643	0.55534173	2.10
2.20	-2.87616823	-0.59099126	-5.61416754	-0.46370718	-8.18218242	-0.51562262	2.94988084	0.55590876	2.20
2.30	-2.89361065	-0.59000412	-5.64970898	-0.46456235	-8.23457094	-0.51501411	2.96533632	0.55644215	2.30
2.40	-2.91076389	-0.58909457	-5.68468707	-0.46534117	-8.28622983	-0.51446682	2.98056500	0.55694435	2.40
2.50	-2.92762032	-0.58825481	-5.71908489	-0.46605228	-8.33710935	-0.51397302	2.99556176	0.55741760	2.50
2.60	-2.94417682	-0.58747793	-5.75288563	-0.46670323	-8.38717475	-0.51352608	3.01032369	0.55786400	2.60
2.70	-2.96043209	-0.58675782	-5.78608119	-0.46730059	-8.43640197	-0.51312032	3.02484987	0.55828549	2.70
2.80	-2.97638716	-0.58608905	-5.81866684	-0.46785009	-8.48477886	-0.51275087	3.03914004	0.55868383	2.80
2.90	-2.99204474	-0.58546681	-5.85065019	-0.46835674	-8.53229224	-0.51241352	3.05319830	0.55906067	2.90
3.00	-3.00740879	-0.58488681	-5.88203026	-0.46882493	-8.57894845	-0.51210465	3.06702088	0.55941751	3.00
3.10	-3.02248427	-0.58434523	-5.91281676	-0.46925852	-8.62475011	-0.51182111	3.08061686	0.55975574	3.10
3.20	-3.03727689	-0.58383869	-5.94301945	-0.46966091	-8.66970606	-0.51156016	3.09398800	0.56007664	3.20
3.30	-3.05179290	-0.58336413	-5.97264968	-0.47003509	-8.71382832	-0.51131943	3.10713839	0.56038138	3.30
3.40	-3.06603890	-0.58291883	-6.00171889	-0.47038372	-8.75713135	-0.51109684	3.12007247	0.56067104	3.40
3.50	-3.08002177	-0.58250035	-6.03024340	-0.47070914	-8.79963144	-0.51089056	3.13279488	0.56094663	3.50
3.60	-3.09374851	-0.58210649	-6.05823400	-0.47101344	-8.84134623	-0.51069900	3.14531044	0.56120906	3.60
3.70	-3.10722619	-0.58173529	-6.08570585	-0.47129849	-8.88229434	-0.51052074	3.15762402	0.56145917	3.70
3.80	-3.12046186	-0.58138498	-6.11267325	-0.47156593	-9.92249497	-0.51035453	3.16974057	0.56169775	3.80
3.90	-3.13348252	-0.58105389	-6.13915048	-0.47181725	-8.96198771	-0.51019928	3.18166503	0.56192552	3.90
4.00	-3.14623506	-0.58074083	-6.16515174	-0.47205378	-9.00073228	-0.51005400	3.19340229	0.56214315	4.00
4.10	-3.15878627	-0.58044385	-6.19069106	-0.47227672	-9.03880837	-0.50991782	3.20495722	0.56235125	4.10
4.20	-3.17112276	-0.58016237	-6.21578219	-0.47248714	-9.07621554	-0.50978996	3.21633459	0.56255039	4.20
4.30	-3.18325097	-0.57989508	-6.24043860	-0.47268600	-9.11297304	-0.50966972	3.22753911	0.56274110	4.30
4.40	-3.19517718	-0.57964100	-6.26467341	-0.47287420	-9.14909881	-0.50955649	3.23857538	0.56292388	4.40
4.50	-3.20690748	-0.57939922	-6.28849941	-0.47305251	-9.18461436	-0.50944989	3.24944784	0.56309918	4.50
4.60	-3.21844775	-0.57916890	-6.31192897	-0.47322166	-9.21953477	-0.50934883	3.26018092	0.56326742	4.60
4.70	-3.22980369	-0.57894930	-6.33497410	-0.47338231	-9.25387862	-0.50925345	3.27071886	0.56342899	4.70
4.80	-3.24098081	-0.57873971	-6.35764642	-0.47353505	-9.28766298	-0.50916313	3.28112579	0.56358427	4.80
4.90	-3.25198442	-0.57853950	-6.37995714	-0.47368042	-9.32090441	-0.50907751	3.29138575	0.56373359	4.90
5.00	-3.26281964	-0.57834808	-6.40191709	-0.47381892	-9.35361892	-0.50899624	3.30150261	0.56387727	5.00



P-TERM MISSING Q = 2 ALPHA = 1.0

Figure 18

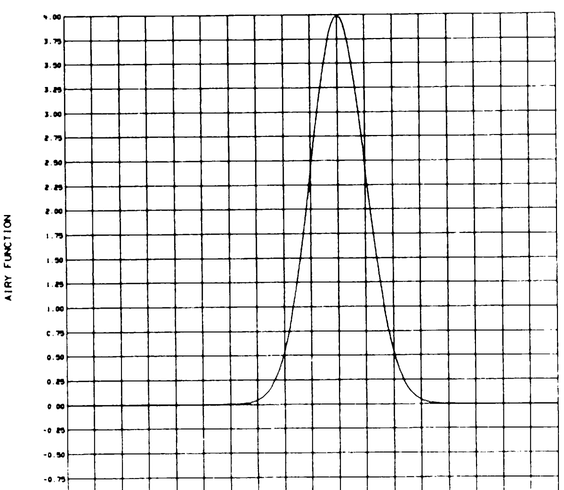


Figure 19

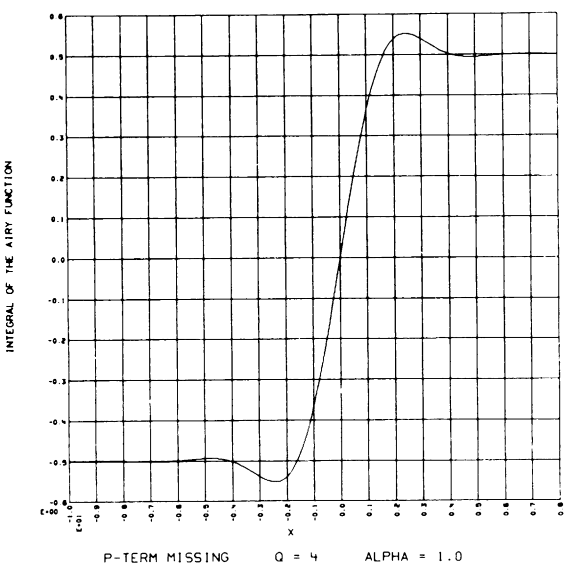
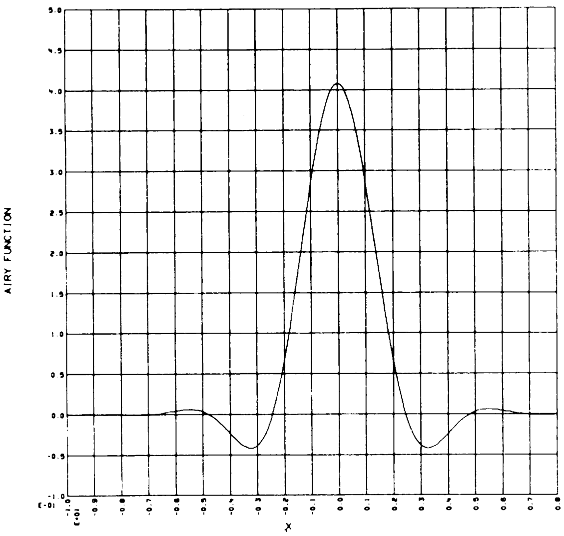


Figure 20



P-TERM MISSING Q = 4. ALPHA = 1.0

Figure 21

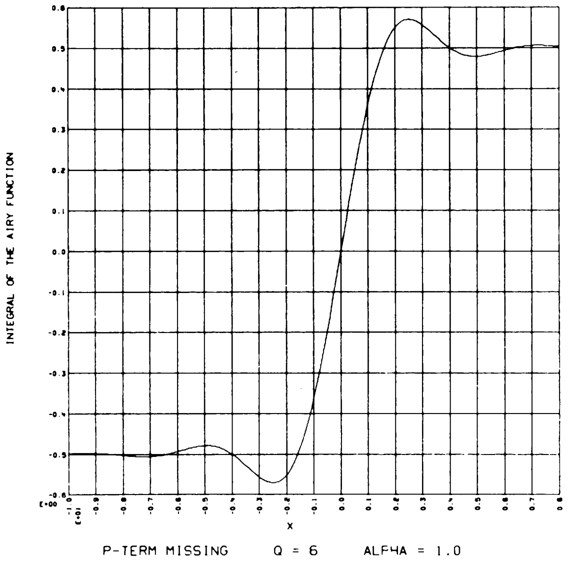
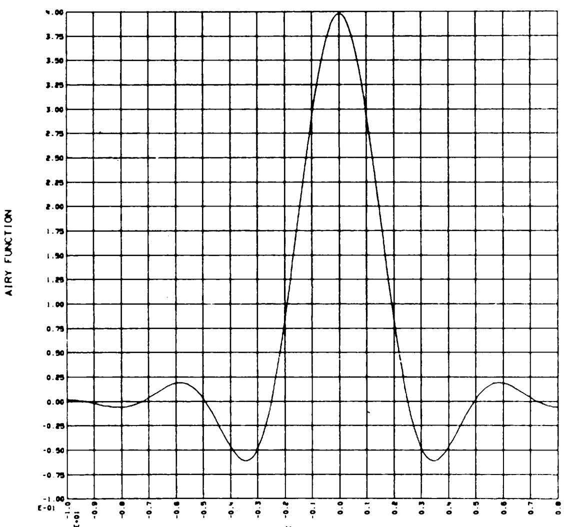


Figure 22



P-TERM MISSING Q = 6 ALPHA = 1.0

Figure 23

Table 10

P-TERM MISSING Q = 2 ALPHA = 1.0

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.500000	-0.000000	-5.5	-0.500000	0.000000	-1.0	-0.341345	0.241971	3.5	0.499767	0.000873
-9.9	-0.500000	-0.000000	-5.4	-0.500000	0.000000	-0.9	-0.315940	0.266085	3.6	0.499841	0.000612
-9.8	-0.500000	0.000000	-5.3	-0.500000	0.000000	-0.8	-0.288145	0.289892	3.7	0.499892	0.000425
-9.7	-0.500000	0.000000	-5.2	-0.500000	0.000001	-0.7	-0.258036	0.312254	3.8	0.499928	0.000292
-9.6	-0.500000	0.000000	-5.1	-0.500000	0.000001	-0.6	-0.225747	0.333225	3.9	0.499952	0.000199
-9.5	-0.500000	0.000000	-5.0	-0.500000	0.000001	-0.5	-0.191462	0.352065	4.0	0.499968	0.000134
-9.4	-0.500000	0.000000	-4.9	-0.500000	0.000002	-0.4	-0.155422	0.368270	4.1	0.499979	0.000089
-9.3	-0.500000	0.000000	-4.8	-0.499999	0.000004	-0.3	-0.117911	0.381388	4.2	0.499987	0.000059
-9.2	-0.500000	-0.000000	-4.7	-0.499999	0.000006	-0.2	-0.079260	0.391043	4.3	0.499991	0.000039
-9.1	-0.500000	-0.000000	-4.6	-0.499998	0.000010	-0.1	-0.039828	0.396953	4.4	0.499995	0.000025
-9.0	-0.500000	-0.000000	-4.5	-0.499997	0.000016	0.	0.	0.398942	4.5	0.499997	0.000016
-8.9	-0.500000	-0.000000	-4.4	-0.499995	0.000025	0.1	0.039828	0.396953	4.6	0.499998	0.000010
-8.8	-0.500000	-0.000000	-4.3	-0.499991	0.000039	0.2	0.079260	0.391043	4.7	0.499999	0.000006
-8.7	-0.500000	-0.000000	-4.2	-0.499987	0.000059	0.3	0.117911	0.381388	4.8	0.499999	0.000004
-8.6	-0.500000	0.000000	-4.1	-0.499979	0.000089	0.4	0.155422	0.368270	4.9	0.500000	0.000002
-8.5	-0.500000	0.000000	-4.0	-0.499968	0.000134	0.5	0.191462	0.352065	5.0	0.500000	0.000001
-8.4	-0.500000	0.000000	-3.9	-0.499952	0.000199	0.6	0.225747	0.333225	5.1	0.500000	0.000001
-8.3	-0.500000	0.000000	-3.8	-0.499928	0.000292	0.7	0.258036	0.312254	5.2	0.500000	0.000001
-8.2	-0.500000	0.000000	-3.7	-0.499892	0.000425	0.8	0.288145	0.289892	5.3	0.500000	0.000000
-8.1	-0.500000	-0.000000	-3.6	-0.499841	0.000612	0.9	0.315940	0.266085	5.4	0.500000	0.000000
-8.0	-0.500000	-0.000000	-3.5	-0.499767	0.000873	1.0	0.341345	0.241971	5.5	0.500000	0.000000
-7.9	-0.500000	-0.000000	-3.4	-0.499663	0.001232	1.1	0.364334	0.217852	5.6	0.500000	0.000000
-7.8	-0.500000	-0.000000	-3.3	-0.499517	0.001723	1.2	0.384930	0.194186	5.7	0.500000	0.000000
-7.7	-0.500000	-0.000000	-3.2	-0.499313	0.002384	1.3	0.403200	0.171369	5.8	0.500000	0.000000
-7.6	-0.500000	-0.000000	-3.1	-0.499032	0.003267	1.4	0.419243	0.149727	5.9	0.500000	0.000000
-7.5	-0.500000	0.000000	-3.0	-0.498650	0.004432	1.5	0.433193	0.129518	6.0	0.500000	0.000000
-7.4	-0.500000	0.000000	-2.9	-0.498134	0.005953	1.6	0.445201	0.110921	6.1	0.500000	0.000000
-7.3	-0.500000	0.000000	-2.8	-0.497445	0.007915	1.7	0.455435	0.094049	6.2	0.500000	0.000000
-7.2	-0.500000	0.000000	-2.7	-0.496533	0.010421	1.8	0.464070	0.078950	6.3	0.500000	0.000000
-7.1	-0.500000	0.000000	-2.6	-0.495339	0.013583	1.9	0.471283	0.065616	6.4	0.500000	0.000000
-7.0	-0.500000	0.000000	-2.5	-0.493790	0.017528	2.0	0.477250	0.053991	6.5	0.500000	-0.000000
-6.9	-0.500000	-0.000000	-2.4	-0.491802	0.022395	2.1	0.482136	0.043984	6.6	0.500000	-0.000000
-6.8	-0.500000	-0.000000	-2.3	-0.489276	0.028327	2.2	0.486097	0.035475	6.7	0.500000	-0.000000
-6.7	-0.500000	-0.000000	-2.2	-0.486097	0.035475	2.3	0.489276	0.028327	6.8	0.500000	-0.000000
-6.6	-0.500000	-0.000000	-2.1	-0.482136	0.043984	2.4	0.491802	0.022395	6.9	0.500000	-0.000000
-6.5	-0.500000	-0.000000	-2.0	-0.477250	0.053991	2.5	0.493790	0.017528	7.0	0.500000	0.000000
-6.4	-0.500000	0.000000	-1.9	-0.471283	0.065616	2.6	0.495339	0.013583	7.1	0.500000	0.000000
-6.3	-0.500000	0.000000	-1.8	-0.464070	0.078950	2.7	0.496533	0.010421	7.2	0.500000	0.000000
-6.2	-0.500000	0.000000	-1.7	-0.455435	0.094049	2.8	0.497445	0.007915	7.3	0.500000	0.000000
-6.1	-0.500000	0.000000	-1.6	-0.445201	0.110921	2.9	0.498134	0.005953	7.4	0.500000	0.000000
-6.0	-0.500000	0.000000	-1.5	-0.433193	0.129518	3.0	0.498650	0.004432	7.5	0.500000	0.000000
-5.9	-0.500000	0.000000	-1.4	-0.419243	0.149727	3.1	0.499032	0.003267	7.6	0.500000	-0.000000
-5.8	-0.500000	0.000000	-1.3	-0.403200	0.171369	3.2	0.499313	0.002384	7.7	0.500000	-0.000000
-5.7	-0.500000	0.000000	-1.2	-0.384930	0.194186	3.3	0.499517	0.001723	7.8	0.500000	-0.000000
-5.6	-0.500000	0.000000	-1.1	-0.364334	0.217852	3.4	0.499663	0.001232	7.9	0.500000	-0.000000
-5.5	-0.500000	0.000000	-1.0	-0.341345	0.241971	3.5	0.499767	0.000873	8.0	0.500000	-0.000000

Table 11

P-TERM MISSING Q = 4 ALPHA = 1.0

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.500010	0.000041	-5.5	-0.496725	0.005889	-1.0	-0.385297	0.286017	3.5	0.518567	-0.039371
-9.9	-0.500005	0.000056	-5.4	-0.496138	0.005833	-0.9	-0.335642	0.306884	3.6	0.514743	-0.037028
-9.8	-0.499999	0.000071	-5.3	-0.495566	0.005563	-0.8	-0.303984	0.326434	3.7	0.511178	-0.034187
-9.7	-0.499991	0.000087	-5.2	-0.495033	0.005048	-0.7	-0.270408	0.344399	3.8	0.507918	-0.030977
-9.6	-0.499982	0.000101	-5.1	-0.494565	0.004261	-0.6	0.235145	0.360528	3.9	0.504891	-0.027520
-9.5	-0.499971	0.000114	-5.0	-0.494191	0.003178	-0.5	-0.198371	0.374592	4.0	0.502418	-0.023930
-9.4	-0.499959	0.000125	-4.9	-0.493940	0.001779	-0.4	-0.160302	0.386390	4.1	0.500206	-0.020307
-9.3	-0.499946	0.000131	-4.8	-0.493846	0.000052	-0.3	-0.121174	0.395750	4.2	0.498355	-0.016742
-9.2	-0.499933	0.000133	-4.7	-0.493941	-0.002006	-0.2	-0.081238	0.402535	4.3	0.496853	-0.013310
-9.1	-0.499920	0.000128	-4.6	-0.494258	-0.004392	-0.1	-0.040757	0.406647	4.4	0.495686	-0.010076
-9.0	-0.499907	0.000116	-4.5	-0.494830	-0.007091	0.	0.	0.408024	4.5	0.494830	-0.007091
-8.9	-0.499897	0.000096	-4.4	-0.495686	-0.010076	0.1	0.040757	0.406647	4.6	0.494258	-0.004392
-8.8	-0.499889	0.000066	-4.3	-0.496853	0.013310	0.2	0.081238	0.402535	4.7	0.493941	-0.002006
-8.7	-0.499884	0.000025	-4.2	-0.498355	-0.016742	0.3	0.121174	0.395750	4.8	0.493846	0.000052
-8.6	-0.499884	-0.000025	-4.1	-0.500206	-0.020307	0.4	0.160302	0.386390	4.9	0.493940	0.001779
-8.5	-0.499889	-0.000087	-4.0	-0.502418	-0.023930	0.5	0.198371	0.374592	5.0	0.494191	0.003178
-8.4	-0.499902	-0.000158	-3.9	-0.504891	-0.027520	0.6	0.235145	0.360528	5.1	0.494565	0.004261
-8.3	-0.499921	-0.000239	-3.8	-0.507918	-0.030977	0.7	0.270408	0.344399	5.2	0.495033	0.005048
-8.2	-0.499950	-0.000327	-3.7	-0.511178	-0.034187	0.8	0.303984	0.326434	5.3	0.495566	0.005563
-8.1	-0.499987	-0.000420	-3.6	-0.514743	-0.037028	0.9	0.335642	0.306884	5.4	0.496138	0.005833
-8.0	-0.500034	-0.000515	-3.5	-0.518567	-0.039371	1.0	0.385297	0.286017	5.5	0.496725	0.005889
-7.9	-0.500090	-0.000608	-3.4	-0.522596	-0.041081	1.1	0.392811	0.264116	5.6	0.497309	0.005762
-7.8	-0.500155	-0.000695	-3.3	-0.526758	-0.042017	1.2	0.418095	0.241467	5.7	0.497873	0.005486
-7.7	-0.500228	-0.000771	-3.2	-0.530969	-0.042042	1.3	0.441089	0.218361	5.8	0.498403	0.005092
-7.6	-0.500309	-0.000830	-3.1	-0.535131	-0.041018	1.4	0.461762	0.195086	5.9	0.498888	0.004610
-7.5	-0.500394	-0.000866	-3.0	-0.539133	-0.038815	1.5	0.480110	0.171919	6.0	0.499323	0.004068
-7.4	-0.500481	-0.000872	-2.9	-0.542851	-0.035311	1.6	0.496158	0.149125	6.1	0.499701	0.003494
-7.3	-0.500567	-0.000843	-2.8	-0.546149	-0.030397	1.7	0.509956	0.126954	6.2	0.500021	0.002908
-7.2	-0.500648	-0.000771	-2.7	-0.548880	-0.023978	1.8	0.521577	0.105633	6.3	0.500283	0.002332
-7.1	-0.500720	-0.000651	-2.6	-0.550891	-0.015980	1.9	0.531117	0.085364	6.4	0.500488	0.001780
-7.0	-0.500776	-0.000478	-2.5	-0.552022	-0.006350	2.0	0.538691	0.066323	6.5	0.500640	0.001268
-6.9	-0.500813	-0.000247	-2.4	-0.552106	0.004942	2.1	0.544428	0.048658	6.6	0.500743	0.000803
-6.8	-0.500824	0.000043	-2.3	-0.550978	0.017896	2.2	0.548472	0.032487	6.7	0.500803	0.000394
-6.7	-0.500803	0.000394	-2.2	-0.548472	0.032487	2.3	0.550978	0.017896	6.8	0.500824	0.000043
-6.6	-0.500743	0.000803	-2.1	-0.544428	0.048658	2.4	0.552106	0.004942	6.9	0.500813	-0.000247
-6.5	-0.500640	0.001268	-2.0	-0.538691	0.066323	2.5	0.552022	-0.006350	7.0	0.500776	-0.000478
-6.4	-0.500488	0.001780	-1.9	-0.531117	0.085364	2.6	0.550891	-0.015980	7.1	0.500720	-0.000651
-6.3	-0.500283	0.002332	-1.8	-0.521577	0.105633	2.7	0.548880	-0.023978	7.2	0.500648	-0.000771
-6.2	-0.500021	0.002908	-1.7	-0.509956	0.126954	2.8	0.546149	-0.030397	7.3	0.500567	-0.000843
-6.1	-0.499701	0.003494	-1.6	-0.496158	0.149125	2.9	0.542851	-0.035311	7.4	0.500481	-0.000872
-6.0	-0.499323	0.004068	-1.5	-0.480110	0.171919	3.0	0.539133	-0.038815	7.5	0.500394	-0.000866
-5.9	-0.498888	0.004610	-1.4	-0.461762	0.195086	3.1	0.535131	-0.041018	7.6	0.500309	-0.000830
-5.8	-0.498403	0.005092	-1.3	-0.441089	0.218361	3.2	0.530969	-0.042042	7.7	0.500228	-0.000771
-5.7	-0.497873	0.005486	-1.2	-0.418095	0.241467	3.3	0.526758	-0.042017	7.8	0.500155	-0.000695
-5.6	-0.497309	0.005762	-1.1	0.392811	0.264116	3.4	0.522596	-0.041081	7.9	0.500090	-0.000608
-5.5	-0.496725	0.005889	-1.0	-0.385297	0.286017	3.5	0.518567	-0.039371	8.0	0.500034	-0.000515

Table 12

P TERM MISSING Q = 6 ALPHA = 1.0

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.498754	0.001387	-5.5	-0.484442	0.016564	-1.0	-0.361825	0.293474	3.5	0.528316	-0.060794
-9.9	-0.498572	0.001737	-5.4	-0.482871	0.014775	-0.9	-0.331552	0.311788	3.6	0.522283	-0.059683
-9.8	-0.498409	0.001525	-5.3	-0.481503	0.012492	-0.8	-0.299512	0.328771	3.7	0.516411	-0.057613
-9.7	-0.498269	0.001248	-5.2	-0.480389	0.009717	-0.7	-0.265848	0.344241	3.8	0.510789	-0.054703
-9.6	-0.498161	0.000908	-5.1	-0.479576	0.006462	-0.6	-0.230720	0.358024	3.9	0.505494	-0.051076
-9.5	-0.498090	0.000507	-5.0	-0.479112	0.002747	-0.5	-0.194305	0.369964	4.0	0.500593	-0.046858
-9.4	-0.498061	0.000050	-4.9	-0.479041	-0.001393	-0.4	-0.156793	0.379925	4.1	0.496138	-0.042173
-9.3	-0.498082	-0.000459	-4.8	-0.479403	-0.005914	-0.3	-0.118390	0.387794	4.2	0.492170	-0.037144
-9.2	-0.498155	-0.001010	-4.7	-0.480234	-0.010760	-0.2	-0.079307	0.393480	4.3	0.488717	-0.031889
-9.1	-0.498285	-0.001595	-4.6	-0.481564	-0.015864	-0.1	-0.039769	0.396919	4.4	0.485796	-0.026521
-9.0	-0.498474	-0.002202	-4.5	-0.483413	-0.021147	0.	0.	0.398069	4.5	0.483413	-0.021147
-8.9	-0.498725	-0.002817	-4.4	-0.485796	-0.026521	0.1	0.039769	0.396919	4.6	0.481564	-0.015864
-8.8	-0.499038	-0.003427	-4.3	-0.488717	-0.031889	0.2	0.079307	0.393480	4.7	0.480234	-0.010760
-8.7	-0.499410	-0.004014	-4.2	-0.492170	-0.037144	0.3	0.118390	0.387794	4.8	0.479403	-0.005914
-8.6	-0.499839	-0.004561	-4.1	-0.496138	-0.042173	0.4	0.156793	0.379925	4.9	0.479041	-0.001393
-8.5	-0.500320	-0.005052	-4.0	-0.500593	-0.046858	0.5	0.194305	0.369964	5.0	0.479112	0.002747
-8.4	-0.500847	-0.005467	-3.9	-0.505494	-0.051076	0.6	0.230720	0.358024	5.1	0.479576	0.006462
-8.3	-0.501411	-0.005790	-3.8	-0.510789	-0.054703	0.7	0.265848	0.344241	5.2	0.480389	0.009717
-8.2	-0.502001	-0.006002	-3.7	-0.516411	-0.057613	0.8	0.299512	0.328771	5.3	0.481503	0.012492
-8.1	-0.502607	-0.006087	-3.6	-0.522283	-0.059683	0.9	0.331552	0.311788	5.4	0.482871	0.014775
-8.0	-0.503214	-0.006029	-3.5	-0.528316	-0.060794	1.0	0.361825	0.293474	5.5	0.484442	0.016564
-7.9	-0.503808	-0.005817	-3.4	-0.534407	-0.060834	1.1	0.390209	0.274037	5.6	0.486167	0.017867
-7.8	-0.504372	-0.005440	-3.3	-0.540443	-0.059896	1.2	0.416602	0.253682	5.7	0.487999	0.018701
-7.7	-0.504890	-0.004889	-3.2	-0.546303	-0.057287	1.3	0.440922	0.232627	5.8	0.489893	0.019091
-7.6	-0.505344	-0.004161	-3.1	-0.551855	-0.053523	1.4	0.463111	0.211091	5.9	0.491804	0.019067
-7.5	-0.505716	-0.003256	-3.0	-0.556961	-0.048338	1.5	0.483132	0.189294	6.0	0.493694	0.018666
-7.4	-0.505989	-0.002176	-2.9	-0.561474	-0.041678	1.6	0.500969	0.167454	6.1	0.495526	0.017929
-7.3	-0.506146	-0.000930	-2.8	-0.565246	-0.033509	1.7	0.516628	0.145782	6.2	0.497270	0.016899
-7.2	-0.506170	0.000469	-2.7	-0.568125	-0.023816	1.8	0.530137	0.124482	6.3	0.498898	0.015622
-7.1	-0.506047	0.002004	-2.6	-0.569958	-0.012601	1.9	0.541543	0.103747	6.4	0.500387	0.014147
-7.0	-0.505765	0.003653	-2.5	-0.570595	0.000109	2.0	0.550912	0.083757	6.5	0.501722	0.012519
-6.9	-0.505314	0.005389	-2.4	-0.569888	0.014270	2.1	0.558325	0.064676	6.6	0.502888	0.010786
-6.8	-0.504686	0.007180	-2.3	-0.567695	0.029814	2.2	0.563882	0.046652	6.7	0.503877	0.008993
-6.7	-0.503877	0.008993	-2.2	-0.563882	0.046652	2.3	0.567695	0.029814	6.8	0.504686	0.007180
-6.6	-0.502888	0.010786	-2.1	-0.558325	0.064676	2.4	0.569888	0.014270	6.9	0.505314	0.005389
-6.5	-0.501722	0.012519	-2.0	-0.550912	0.083757	2.5	0.570595	0.000109	7.0	0.505765	0.003653
-6.4	-0.500387	0.014147	-1.9	-0.541543	0.103747	2.6	0.569958	-0.012601	7.1	0.506047	0.002004
-6.3	-0.498898	0.015622	-1.8	-0.530137	0.124482	2.7	0.568125	-0.023816	7.2	0.506170	0.000469
-6.2	-0.497270	0.016899	-1.7	-0.516628	0.145782	2.8	0.565246	-0.033509	7.3	0.506146	-0.000930
-6.1	-0.495526	0.017929	-1.6	-0.500969	0.167454	2.9	0.561474	-0.041678	7.4	0.505989	-0.002176
-6.0	-0.493694	0.018666	-1.5	-0.483132	0.189294	3.0	0.556961	-0.048338	7.5	0.505716	-0.003256
-5.9	0.491804	0.019067	-1.4	-0.463111	0.211091	3.1	0.551855	-0.053523	7.6	0.505344	-0.004161
-5.8	-0.489893	0.019091	-1.3	-0.440922	0.232627	3.2	0.546303	-0.057287	7.7	0.504890	-0.004889
-5.7	-0.487999	0.018701	-1.2	-0.416602	0.253682	3.3	0.540443	-0.059896	7.8	0.504372	-0.005440
-5.6	-0.486167	0.017867	-1.1	-0.390209	0.274037	3.4	0.534407	-0.060834	7.9	0.503808	-0.005817
-5.5	-0.484442	0.016564	-1.0	-0.361825	0.293474	3.5	0.528316	-0.060794	8.0	0.503214	-0.006029

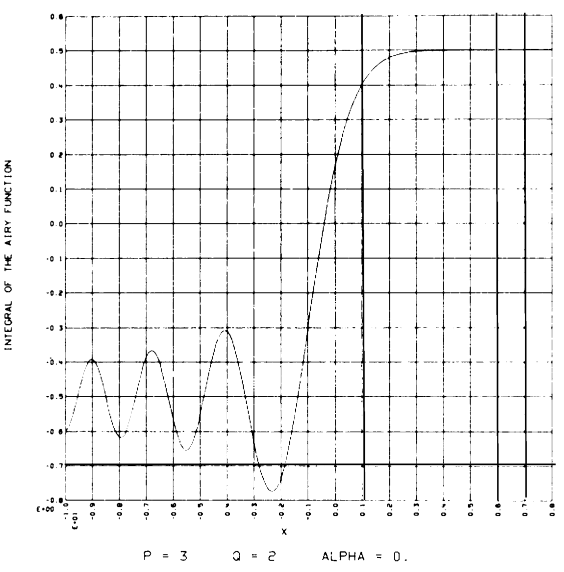


Figure 24

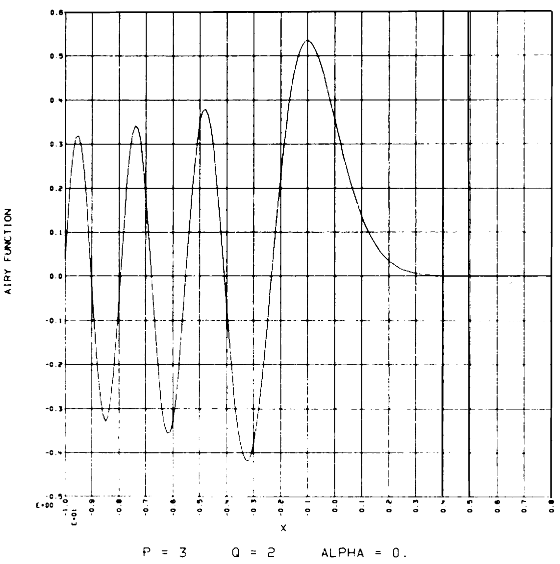
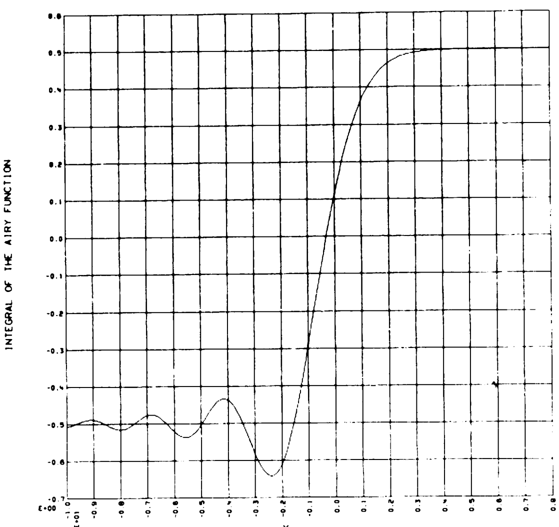
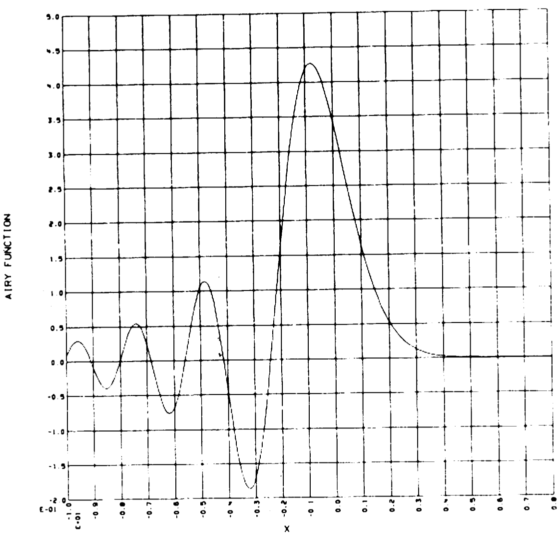


Figure 25



P = 3 Q = 2 ALPHA = 0.5

Figure 26



P = 3 Q = 2 ALPHA = 0.5

Figure 27

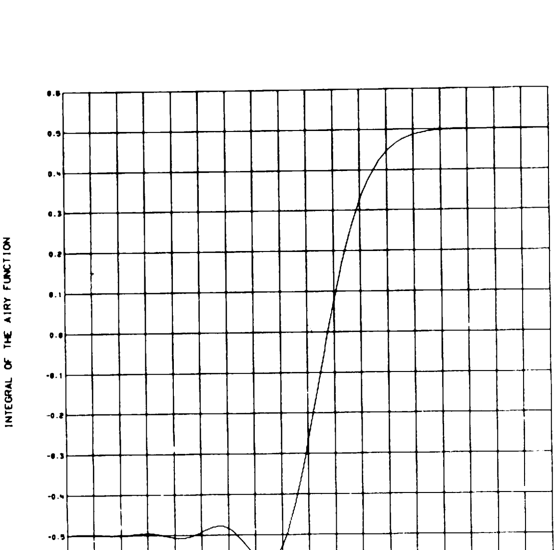
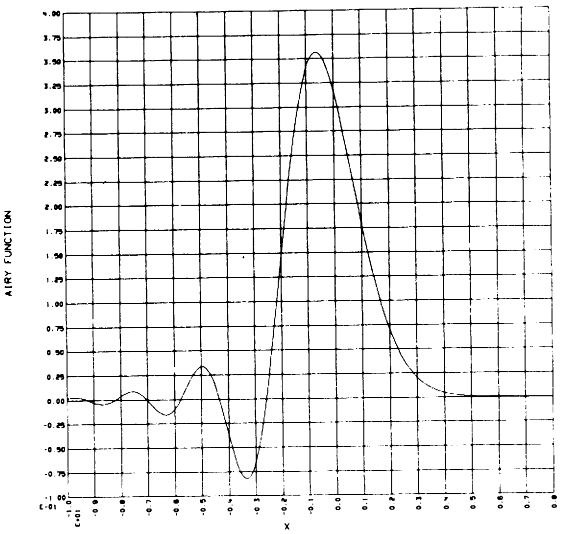


Figure 28



P = 3   Q = 2   ALPHA = 1.0

Figure 29

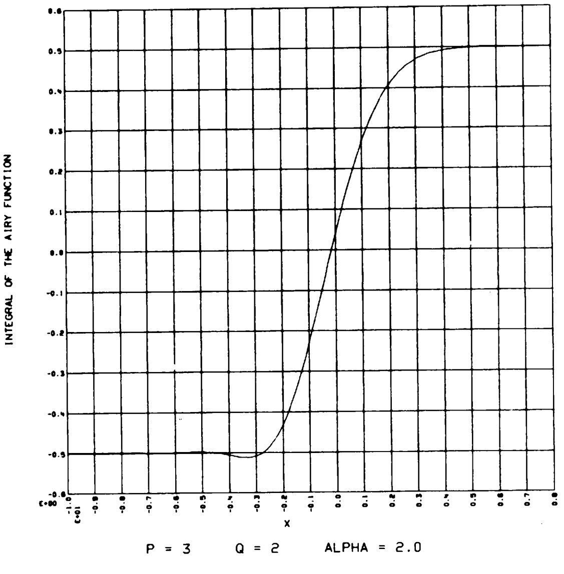
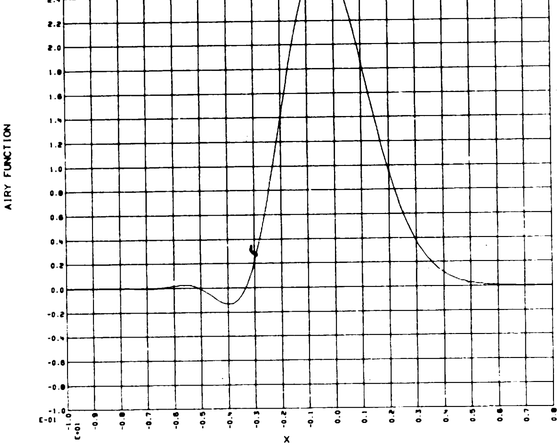
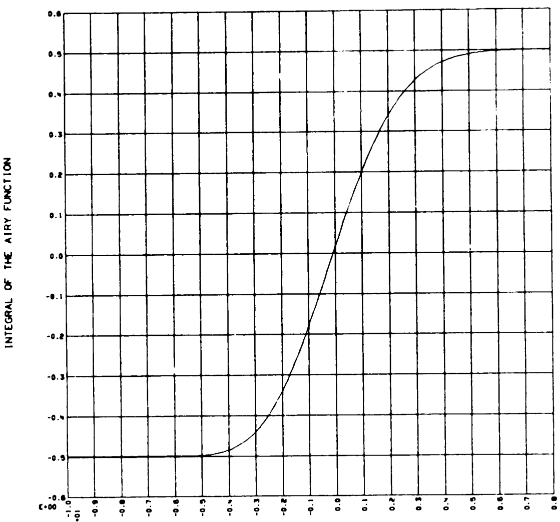


Figure 30



P = 3 Q = 2 ALPHA = 2.0

Figure 31



P = 3 Q = 2 ALPHA = 4.0

Figure 32

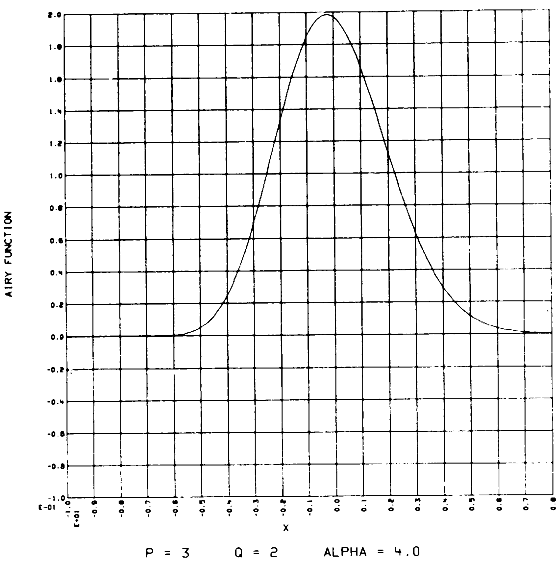


Figure 33

Table 13

P = 3   Q = 2   ALPHA = 0.

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.599032	0.040240	-5.5	-0.654852	0.017782	-1.0	-0.299007	0.535561	3.5	0.498738	0.002584
-9.9	-0.590134	0.138235	-5.4	-0.648788	0.102935	-0.9	-0.245589	0.531980	3.6	0.498973	0.002126
-9.8	-0.572232	0.218887	-5.3	-0.634449	0.182568	-0.8	-0.192775	0.523574	3.7	0.499166	0.001746
-9.7	-0.547072	0.280238	-5.2	-0.612586	0.252580	-0.7	-0.141014	0.511000	3.8	0.499324	0.001429
-9.6	-0.517086	0.314652	-5.1	-0.584370	0.309526	-0.6	-0.090684	0.494850	3.9	0.499454	0.001168
-9.5	-0.485144	0.319104	-5.0	-0.551218	0.350781	-0.5	-0.042143	0.475728	4.0	0.499559	0.000952
-9.4	-0.454271	0.293478	-4.9	-0.514800	0.374538	-0.4	0.004372	0.454226	4.1	0.499645	0.000774
-9.3	-0.427383	0.240474	-4.8	-0.478818	0.380037	-0.3	0.048842	0.430903	4.2	0.499715	0.000627
-9.2	-0.406918	0.165288	-4.7	-0.439400	0.367387	-0.2	0.090510	0.406284	4.3	0.499772	0.000508
-9.1	-0.394814	0.074980	-4.6	-0.404019	0.337498	-0.1	0.129871	0.380849	4.4	0.499817	0.000410
-9.0	-0.392153	-0.022134	-4.5	-0.372417	0.292153	0.	0.166667	0.355028	4.5	0.499854	0.000330
-8.9	-0.399175	-0.117288	-4.4	-0.348028	0.233703	0.1	0.200877	0.329203	4.6	0.499884	0.000265
-8.8	-0.415280	-0.202055	-4.3	-0.328018	0.164988	0.2	0.232518	0.303703	4.7	0.499908	0.000213
-8.7	-0.438997	-0.269205	-4.2	-0.313283	0.088211	0.3	0.261638	0.278806	4.8	0.499927	0.000170
-8.6	-0.468324	-0.313113	-4.1	-0.308301	0.009877	0.4	0.288307	0.254742	4.9	0.499942	0.000136
-8.5	-0.500725	-0.330290	-4.0	-0.311341	-0.070286	0.5	0.312620	0.231694	5.0	0.499954	0.000108
-8.4	-0.533450	-0.319592	-3.9	-0.322281	-0.147420	0.6	0.334685	0.209800	5.1	0.499964	0.000086
-8.3	-0.563753	-0.282232	-3.8	-0.340634	-0.218858	0.7	0.354622	0.189162	5.2	0.499972	0.000068
-8.2	-0.589119	-0.221599	-3.7	-0.365756	-0.282013	0.8	0.372581	0.169846	5.3	0.499978	0.000054
-8.1	-0.607469	-0.142908	-3.6	[illegible]	-0.334777	0.9	0.388638	0.151887	5.4	0.499983	0.000043
-8.0	-0.617316	-0.052705	-3.5	-0.432310	-0.375534	1.0	0.402984	0.135292	5.5	0.499986	0.000034
-7.9	-0.617870	0.041702	-3.4	-0.471358	-0.403190	1.1	0.415740	0.120049	5.6	0.499989	0.000027
-7.8	-0.609085	0.132852	-3.3	-0.512492	-0.417181	1.2	0.427038	0.106126	5.7	0.499992	0.000021
-7.7	-0.591643	0.213720	-3.2	-0.554337	-0.417443	1.3	0.437008	0.093475	5.8	0.499993	0.000016
-7.6	-0.566087	0.278250	-3.1	-0.595537	-0.404382	1.4	0.445773	0.082038	5.9	0.499995	0.000013
-7.5	-0.536695	0.321776	-3.0	-0.634786	-0.378814	1.5	0.453453	0.071749	6.0	0.499996	0.000010
-7.4	-0.503333	0.341324	-2.9	-0.670821	-0.341905	1.6	0.460159	0.062537	6.1	0.499997	0.000008
-7.3	-0.469269	0.335770	-2.8	-0.702847	-0.295098	1.7	0.465994	0.054325	6.2	0.499998	0.000006
-7.2	-0.438993	0.305852	-2.7	-0.729885	-0.240038	1.8	0.471055	0.047038	6.3	0.499998	0.000005
-7.1	-0.408831	0.254038	-2.6	-0.750638	-0.178502	1.9	0.475430	0.040594	6.4	0.499999	0.000004
-7.0	-0.386785	0.184281	-2.5	-0.765211	-0.112325	2.0	0.479199	0.034924	6.5	0.499999	0.000003
-6.9	-0.372403	0.101888	-2.4	-0.773010	-0.043334	2.1	0.482438	0.029953	6.6	0.499999	0.000002
-6.8	-0.366681	0.012105	-2.3	-0.773843	0.026706	2.2	0.485211	0.025610	6.7	0.499999	0.000002
-6.7	-0.370010	-0.078314	-2.2	-0.767889	0.096145	2.3	0.487579	0.021832	6.8	0.500000	0.000001
-6.6	-0.382169	-0.163526	-2.1	-0.754684	0.163485	2.4	0.489594	0.018556	6.9	0.500000	0.000001
-6.5	-0.402357	-0.238020	-2.0	-0.735106	0.227407	2.5	0.491305	0.015726	7.0	0.500000	0.000001
-6.4	-0.429259	-0.297138	-1.9	-0.709354	0.288800	2.6	0.492752	0.013289	7.1	0.500000	0.000001
-6.3	-0.461153	-0.337348	-1.8	-0.677827	0.340782	2.7	0.493974	0.011199	7.2	0.500000	0.000000
-6.2	-0.496023	-0.356421	-1.7	-0.641406	0.388607	2.8	0.495002	0.009411	7.3	0.500000	0.000000
-6.1	-0.531703	-0.353512	-1.6	-0.600426	0.429863	2.9	0.495865	0.007886	7.4	0.500000	0.000000
-6.0	-0.566009	-0.329145	-1.5	-0.555862	0.464257	3.0	0.496587	0.006591	7.5	0.500000	0.000000
-5.9	-0.596875	-0.285123	-1.4	-0.507806	0.491700	3.1	0.497190	0.005494	7.6	0.500000	0.000000
-5.8	-0.622474	-0.224352	-1.3	-0.457551	0.512272	3.2	0.497692	0.004567	7.7	0.500000	0.000000
-5.7	-0.641313	-0.150620	-1.2	-0.405574	0.526194	3.3	0.498108	0.003787	7.8	0.500000	0.000000
-5.6	-0.652312	-0.068331	-1.1	-0.352523	0.533811	3.4	0.498453	0.003132	7.9	0.500000	0.000000
-5.5	-0.654852	0.017782	-1.0	-0.299007	0.535561	3.5	0.498738	0.002584	8.0	0.500000	0.000000

Table 14

P = 3 Q = 2 ALPHA = 0.5

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.507552	0.008404	-5.5	-0.537074	0.018245	-1.0	-0.289311	0.420157	3.5	0.496960	0.005547
-9.9	-0.506317	0.016158	-5.4	-0.534146	0.040243	-0.9	-0.247001	0.425420	3.6	0.497470	0.004673
-9.8	-0.504382	0.022683	-5.3	-0.529062	0.061154	-0.8	-0.204349	0.427027	3.7	0.497899	0.003927
-9.7	-0.501845	0.027283	-5.2	-0.521990	0.079831	-0.7	-0.161710	0.425215	3.8	0.498259	0.003292
-9.6	-0.498987	0.029427	-5.1	-0.513205	0.095231	-0.6	-0.119411	0.420257	3.9	0.498560	0.002753
-9.5	-0.496052	0.028807	-5.0	-0.503083	0.106462	-0.5	-0.077753	0.412457	4.0	0.498812	0.002297
-9.4	-0.493320	0.025372	-4.9	-0.492075	0.112835	-0.4	-0.037004	0.402140	4.1	0.499022	0.001912
-9.3	-0.491065	0.019332	-4.8	-0.480693	0.113888	-0.3	0.002602	0.389842	4.2	0.499197	0.001588
-9.2	-0.489525	0.011153	-4.7	-0.469482	0.109412	-0.2	0.040863	0.375301	4.3	0.499341	0.001316
-9.1	-0.488883	0.001508	-4.6	-0.458994	0.099451	-0.1	0.077612	0.359450	4.4	0.499461	0.001087
-9.0	-0.489245	-0.008773	-4.5	-0.449765	0.084305	0	0.112714	0.342414	4.5	0.499560	0.000897
-8.9	-0.490628	-0.018778	-4.4	-0.442288	0.064502	0.1	0.146086	0.324500	4.6	0.499642	0.000738
-8.8	-0.492981	-0.027508	-4.3	-0.436995	0.040781	0.2	0.177584	0.305998	4.7	0.499709	0.0006060
-8.7	-0.496081	-0.034398	-4.2	-0.434233	0.014048	0.3	0.207254	0.287167	4.8	0.499764	0.000497
-8.6	-0.499750	-0.038502	-4.1	-0.434252	-0.014084	0.4	0.235025	0.268251	4.9	0.499808	0.000406
-8.5	-0.503675	-0.039445	-4.0	-0.437194	-0.044239	0.5	0.260908	0.249461	5.0	0.499845	0.000331
-8.4	-0.507527	-0.037022	-3.9	-0.443090	-0.073526	0.6	0.284927	0.230984	5.1	0.499875	0.000270
-8.3	-0.510970	-0.031308	-3.8	-0.451852	-0.101388	0.7	0.307121	0.212977	5.2	0.499899	0.000219
-8.2	-0.513690	-0.022653	-3.7	-0.463284	-0.126745	0.8	0.327543	0.195572	5.3	0.499919	0.000178
-8.1	-0.515422	-0.011661	-3.6	-0.477084	-0.148612	0.9	0.346259	0.178877	5.4	0.499935	0.000144
-8.0	-0.515971	0.000859	-3.5	-0.492961	-0.166133	1.0	0.363345	0.162974	5.5	0.499948	0.000116
-7.9	-0.515231	0.013953	-3.4	-0.510143	-0.178609	1.1	0.378882	0.147825	5.6	0.499959	0.000093
-7.8	-0.513195	0.026598	-3.3	-0.528397	-0.185516	1.2	0.392959	0.133771	5.7	0.499967	0.000075
-7.7	-0.509960	0.037779	-3.2	-0.547049	-0.186516	1.3	0.405667	0.120537	5.8	0.499974	0.000060
-7.6	-0.505719	0.046571	-3.1	-0.565498	-0.181463	1.4	0.417098	0.108229	5.9	0.499979	0.000048
-7.5	-0.500751	0.052209	-3.0	-0.583141	-0.170395	1.5	0.427344	0.096844	6.0	0.499983	0.000039
-7.4	-0.495401	0.054146	-2.9	-0.599384	-0.153529	1.6	0.436497	0.086365	6.1	0.499987	0.000031
-7.3	-0.490055	0.052098	-2.8	-0.613665	-0.131238	1.7	0.444646	0.076784	6.2	0.499990	0.000024
-7.2	-0.485115	0.046069	-2.7	-0.625468	-0.104040	1.8	0.451878	0.068010	6.3	0.499992	0.000019
-7.1	-0.480985	0.036348	-2.6	-0.634331	-0.072569	1.9	0.458275	0.060062	6.4	0.499994	0.000015
-7.0	-0.477950	0.023495	-2.5	-0.639863	-0.037548	2.0	0.463916	0.052878	6.5	0.499995	0.000012
-6.9	-0.476344	0.008305	-2.4	-0.641748	0.000236	2.1	0.468874	0.046409	6.6	0.499996	0.000010
-6.8	-0.476335	-0.008251	-2.3	-0.639751	0.039958	2.2	0.473220	0.040609	6.7	0.499997	0.000008
-6.7	-0.478004	-0.025087	-2.2	-0.633720	0.080783	2.3	0.477017	0.035429	6.8	0.499998	0.000006
-6.6	-0.481324	-0.041075	-2.1	-0.623585	0.121888	2.4	0.480325	0.030819	6.9	0.499998	0.000005
-6.5	-0.486194	-0.055120	-2.0	-0.609358	0.162488	2.5	0.483198	0.026731	7.0	0.499999	0.000004
-6.4	-0.492250	-0.066233	-1.9	-0.591129	0.201948	2.6	0.485687	0.023120	7.1	0.499999	0.000003
-6.3	-0.499275	-0.073594	-1.8	-0.569053	0.239305	2.7	0.487836	0.019941	7.2	0.499999	0.000002
-6.2	-0.506823	-0.076803	-1.7	-0.543351	0.274278	2.8	0.489688	0.017152	7.3	0.499999	0.000002
-6.1	-0.514439	-0.074922	-1.6	-0.514297	0.306274	2.9	0.491279	0.014713	7.4	0.499999	0.000001
-6.0	-0.521649	-0.068490	-1.5	-0.482209	0.334898	3.0	0.492641	0.012587	7.5	0.500000	0.000001
-5.9	-0.527986	-0.057535	-1.4	-0.447440	0.359844	3.1	0.493805	0.010740	7.6	0.500000	0.000001
-5.8	-0.533021	-0.042551	-1.3	-0.410369	0.380914	3.2	0.494797	0.009140	7.7	0.500000	0.000001
-5.7	-0.536386	-0.024271	-1.2	-0.371390	0.397993	3.3	0.495640	0.007758	7.8	0.500000	0.000000
-5.6	-0.537798	-0.003651	-1.1	-0.330905	0.411057	3.4	0.496355	0.006568	7.9	0.500000	0.000000
-5.5	-0.537074	0.018245	-1.0	-0.289311	0.420157	3.5	0.496960	0.005547	8.0	0.500000	0.000000

Table 15

P = 3 D = 2^{n} ALPHA = 1.0

X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)
-10.0	-0.500337	0.001850	-5.5	-0.506745	0.015218	-1.0	-0.268612	0.341337	3.5	0.493939	0.009883
-9.9	-0.500127	0.002318	-5.4	-0.504947	0.020883	-0.9	-0.234083	0.348831	3.6	0.494956	0.008497
-9.8	-0.499880	0.002598	-5.3	-0.502632	0.025513	-0.8	-0.198930	0.353812	3.7	0.495644	0.007289
-9.7	-0.499616	0.002638	-5.2	-0.499875	0.029458	-0.7	-0.163402	0.356339	3.8	0.496319	0.006237
-9.6	-0.499381	0.002417	-5.1	-0.496780	0.032214	-0.6	-0.127741	0.356508	3.9	0.496896	0.005324
-9.5	-0.499141	0.001930	-5.0	-0.493480	0.033540	-0.5	-0.092175	0.354443	4.0	0.497388	0.004535
-9.4	-0.498983	0.001201	-4.9	-0.490128	0.033249	-0.4	-0.056922	0.350293	4.1	0.497807	0.003853
-9.3	-0.498908	0.000278	-4.8	-0.486888	0.031220	-0.3	-0.022180	0.344231	4.2	0.498162	0.003267
-9.2	-0.498932	-0.000770	-4.7	-0.483942	0.027407	-0.2	0.011867	0.336440	4.3	0.498463	0.002763
-9.1	-0.499063	-0.001854	-4.6	-0.481405	0.021842	-0.1	0.045057	0.327118	4.4	0.498717	0.002332
-9.0	-0.499300	-0.002877	-4.5	-0.479628	0.014639	0.	0.077246	0.316467	4.5	0.498932	0.001964
-8.9	-0.499633	-0.003736	-4.4	-0.478588	0.005988	0.1	0.108313	0.304692	4.6	0.499112	0.001650
-8.8	-0.500039	-0.004339	-4.3	-0.478471	-0.003855	0.2	0.138154	0.291993	4.7	0.499263	0.001384
-8.7	-0.500489	-0.004607	-4.2	-0.479388	-0.014558	0.3	0.166687	0.278568	4.8	0.499390	0.001158
-8.6	-0.500947	-0.004485	-4.1	-0.481390	-0.025749	0.4	0.193849	0.264606	4.9	0.499496	0.000967
-8.5	-0.501372	-0.003946	-4.0	-0.484538	-0.037011	0.5	0.219586	0.250284	5.0	0.499584	0.000805
-8.4	-0.501723	-0.003001	-3.9	-0.488789	-0.047908	0.6	0.243900	0.235768	5.1	0.499658	0.000669
-8.3	-0.501960	-0.001693	-3.8	-0.494092	-0.057994	0.7	0.266748	0.221209	5.2	0.499719	0.000555
-8.2	-0.502052	-0.000100	-3.7	-0.500346	-0.066831	0.8	0.288145	0.206743	5.3	0.499769	0.000460
-8.1	-0.501975	0.001669	-3.6	-0.507403	-0.074005	0.9	0.308104	0.192493	5.4	0.499811	0.000380
-8.0	-0.501717	0.003483	-3.5	-0.515079	-0.079141	1.0	0.326654	0.178563	5.5	0.499846	0.000313
-7.9	-0.501281	0.005198	-3.4	-0.523152	-0.081913	1.1	0.343831	0.165044	5.6	0.499874	0.000258
-7.8	-0.500686	0.006663	-3.3	-0.531374	-0.082055	1.2	0.359679	0.152010	5.7	0.499898	0.000212
-7.7	-0.499962	0.007740	-3.2	-0.539469	-0.079371	1.3	0.374251	0.139522	5.8	0.499917	0.000173
-7.6	-0.499154	0.008308	-3.1	-0.547149	-0.073739	1.4	0.387603	0.127628	5.9	0.499933	0.000142
-7.5	-0.498320	0.008275	-3.0	-0.554117	-0.065115	1.5	0.399797	0.116380	6.0	0.499945	0.000116
-7.4	-0.497521	0.007590	-2.9	-0.560074	-0.053532	1.6	0.410897	0.105742	6.1	0.499956	0.000094
-7.3	-0.496824	0.006246	-2.8	-0.564728	-0.039099	1.7	0.420968	0.095787	6.2	0.499964	0.000077
-7.2	-0.496293	0.004284	-2.7	-0.567804	-0.021997	1.8	0.430077	0.086498	6.3	0.499971	0.000062
-7.1	-0.495985	0.001792	-2.6	-0.569047	-0.002470	1.9	0.438289	0.077868	6.4	0.499977	0.000050
-7.0	-0.495948	-0.001098	-2.5	-0.568228	0.019182	2.0	0.445672	0.069888	6.5	0.499982	0.000041
-6.9	-0.496212	-0.004207	-2.4	-0.565151	0.042812	2.1	0.452288	0.062539	6.6	0.499985	0.000033
-6.8	-0.496790	-0.007343	-2.3	-0.559659	0.067438	2.2	0.458200	0.055799	6.7	0.499988	0.000027
-6.7	-0.497674	-0.010286	-2.2	-0.551631	0.093247	2.3	0.463467	0.049642	6.8	0.499991	0.000021
-6.6	-0.498833	-0.012819	-2.1	-0.540990	0.119823	2.4	0.468147	0.044038	6.9	0.499993	0.000017
-6.5	-0.500217	-0.014734	-2.0	-0.527702	0.146138	2.5	0.472292	0.038958	7.0	0.499994	0.000014
-6.4	-0.501753	-0.015848	-1.9	-0.511772	0.172377	2.6	0.475955	0.034389	7.1	0.499995	0.000011
-6.3	-0.503355	-0.016019	-1.8	-0.493249	0.197940	2.7	0.479181	0.030238	7.2	0.499996	0.000009
-6.2	-0.504923	-0.015157	-1.7	-0.472219	0.222452	2.8	0.482017	0.026532	7.3	0.499997	0.000007
-6.1	-0.506349	-0.013209	-1.6	-0.448805	0.245573	2.9	0.484501	0.023219	7.4	0.499998	0.000006
-6.0	-0.507529	-0.010219	-1.5	-0.423161	0.267000	3.0	0.486672	0.020268	7.5	0.499998	0.000004
-5.9	-0.508361	-0.006272	-1.4	-0.395470	0.286476	3.1	0.488565	0.017644	7.6	0.499999	0.000003
-5.8	-0.508757	0.001522	-1.3	-0.365938	0.303781	3.2	0.490211	0.015321	7.7	0.499999	0.000003
-5.7	-0.508646	0.003821	-1.2	-0.334790	0.318770	3.3	0.491638	0.013271	7.8	0.499999	0.000002
-5.6	-0.507982	0.009499	-1.1	-0.302266	0.331309	3.4	0.492873	0.011466	7.9	0.499999	0.000002
-5.5	-0.506745	0.015218	-1.0	-0.268612	0.341337	3.5	0.493939	0.009883	8.0	0.499999	0.000001

Table 16

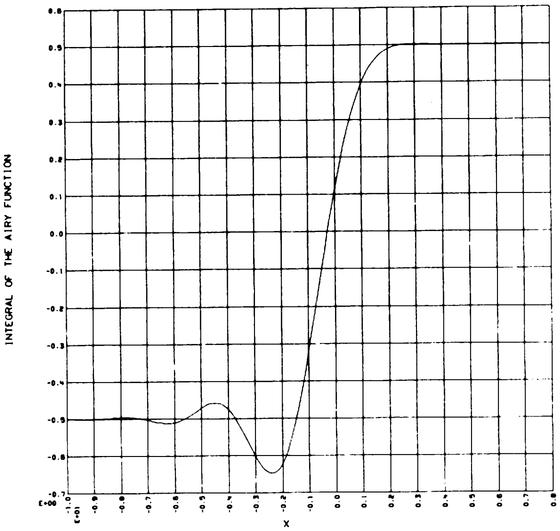
P = 3 Q = 2 ALPHA = 2.0

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.499992	-0.000003	-5.5	-0.498830	0.002326	-1.0	-0.228613	0.254389	3.5	0.483877	0.021301
-9.9	-0.499992	-0.000012	-5.4	-0.498810	0.002056	-0.9	-0.202849	0.260693	3.6	0.485886	0.018921
-9.8	-0.499994	-0.000023	-5.3	-0.498425	0.001604	-0.8	-0.178514	0.265793	3.7	0.487669	0.016789
-9.7	-0.499997	-0.000033	-5.2	-0.498298	0.000959	-0.7	-0.149731	0.269866	3.8	0.489247	0.014830
-9.6	-0.500001	-0.000042	-5.1	-0.498240	0.000115	-0.6	-0.122822	0.272304	3.9	0.490641	0.013086
-9.5	-0.500005	-0.000048	-5.0	-0.498279	-0.000922	-0.5	-0.095311	0.273714	4.0	0.491870	0.011522
-9.4	-0.500010	-0.000051	-4.9	-0.498431	-0.002138	-0.4	-0.067920	0.273916	4.1	0.492951	0.010123
-9.3	-0.500015	-0.000050	-4.8	-0.498712	-0.003508	-0.3	-0.040587	0.272946	4.2	0.493900	0.008875
-9.2	-0.500020	-0.000043	-4.7	-0.499138	-0.004998	-0.2	-0.013388	0.270849	4.3	0.494731	0.007765
-9.1	-0.500024	-0.000031	-4.6	-0.499713	-0.006554	-0.1	0.013567	0.267683	4.4	0.495457	0.006779
-9.0	-0.500026	-0.000012	-4.5	-0.500448	-0.008126	0.	0.040135	0.263514	4.5	0.496090	0.005906
-8.9	-0.500026	0.000011	-4.4	-0.501337	-0.009641	0.1	0.066239	0.258416	4.6	0.496642	0.005135
-8.8	-0.500024	0.000039	-4.3	-0.502371	-0.011025	0.2	0.091790	0.252470	4.7	0.497120	0.004456
-8.7	-0.500018	0.000070	-4.2	-0.503534	-0.012192	0.3	0.116707	0.245760	4.8	0.497535	0.003858
-8.6	-0.500010	0.000100	-4.1	-0.504800	-0.013053	0.4	0.140919	0.238376	4.9	0.497894	0.003334
-8.5	-0.499998	0.000128	-4.0	-0.506132	-0.013514	0.5	0.164363	0.230407	5.0	0.498204	0.002876
-8.4	-0.499984	0.000149	-3.9	-0.507486	-0.013480	0.6	0.186984	0.221944	5.1	0.498472	0.002475
-8.3	-0.499969	0.000162	-3.8	-0.508808	-0.012858	0.7	0.208738	0.213076	5.2	0.498701	0.002126
-8.2	-0.499952	0.000164	-3.7	-0.510035	-0.011559	0.8	0.229589	0.203891	5.3	0.498898	0.001823
-8.1	-0.499938	0.000150	-3.6	-0.511095	-0.009500	0.9	0.249509	0.194474	5.4	0.499067	0.001560
-8.0	-0.499923	0.000120	-3.5	-0.511907	-0.006607	1.0	0.268479	0.184905	5.5	0.499212	0.001333
-7.9	-0.499913	0.000073	-3.4	-0.512388	-0.002817	1.1	0.286487	0.175262	5.6	0.499335	0.001136
-7.8	-0.499909	0.000010	-3.3	-0.512439	0.001919	1.2	0.303531	0.165615	5.7	0.499440	0.000967
-7.7	-0.499911	-0.000069	-3.2	-0.511970	0.007633	1.3	0.319612	0.156029	5.8	0.499529	0.000821
-7.6	-0.499923	-0.000159	-3.1	-0.510879	0.014345	1.4	0.334741	0.146564	5.9	0.499604	0.000696
-7.5	-0.499944	-0.000256	-3.0	-0.509068	0.022052	1.5	0.348931	0.137274	6.0	0.499669	0.000589
-7.4	-0.499974	-0.000354	-2.9	-0.506436	0.030737	1.6	0.362203	0.128204	6.1	0.499723	0.000497
-7.3	-0.500014	-0.000444	-2.8	-0.502889	0.040360	1.7	0.374581	0.119396	6.2	0.499768	0.000419
-7.2	-0.500062	-0.000518	-2.7	-0.498334	0.050868	1.8	0.386092	0.110885	6.3	0.499807	0.000353
-7.1	-0.500117	-0.000568	-2.6	-0.492688	0.062198	1.9	0.396768	0.102698	6.4	0.499839	0.000296
-7.0	-0.500175	-0.000585	-2.5	-0.485873	0.074225	2.0	0.406643	0.094859	6.5	0.499866	0.000248
-6.9	-0.500232	-0.000560	-2.4	-0.477823	0.086881	2.1	0.415752	0.087385	6.6	0.499889	0.000208
-6.8	-0.500285	-0.000487	-2.3	-0.468480	0.100035	2.2	0.424133	0.080288	6.7	0.499908	0.000174
-6.7	-0.500328	-0.000361	-2.2	-0.457803	0.113561	2.3	0.431823	0.073576	6.8	0.499924	0.000145
-6.6	-0.500356	-0.000181	-2.1	-0.445760	0.127321	2.4	0.438877	0.067252	6.9	0.499937	0.000121
-6.5	-0.500362	0.000052	-2.0	-0.432336	0.141172	2.5	0.445288	0.061316	7.0	0.499948	0.000100
-6.4	-0.500344	0.000333	-1.9	-0.417528	0.154971	2.6	0.451137	0.055764	7.1	0.499958	0.000083
-6.3	-0.500295	0.000653	-1.8	-0.401349	0.168569	2.7	0.456452	0.050590	7.2	0.499965	0.000069
-6.2	-0.500212	0.000998	-1.7	-0.383825	0.181824	2.8	0.461267	0.045783	7.3	0.499971	0.000057
-6.1	-0.500095	0.001352	-1.6	-0.365000	0.194595	2.9	0.465620	0.041333	7.4	0.499977	0.000047
-6.0	-0.499942	0.001693	-1.5	-0.344927	0.206751	3.0	0.469545	0.037226	7.5	0.499981	0.000039
-5.9	-0.499757	0.001998	-1.4	-0.323674	0.218167	3.1	0.473076	0.033448	7.6	0.499984	0.000032
-5.8	-0.499545	0.002241	-1.3	-0.301322	0.228732	3.2	0.476245	0.029984	7.7	0.499987	0.000026
-5.7	-0.499312	0.002394	-1.2	-0.277960	0.238345	3.3	0.479083	0.026815	7.8	0.499990	0.000021
-5.6	-0.499070	0.002431	-1.1	-0.253688	0.246921	3.4	0.481618	0.023927	7.9	0.499992	0.000018
-5.5	-0.498830	0.002326	-1.0	-0.228613	0.254389	3.5	0.483877	0.021301	8.0	0.499993	0.000014

Table 17

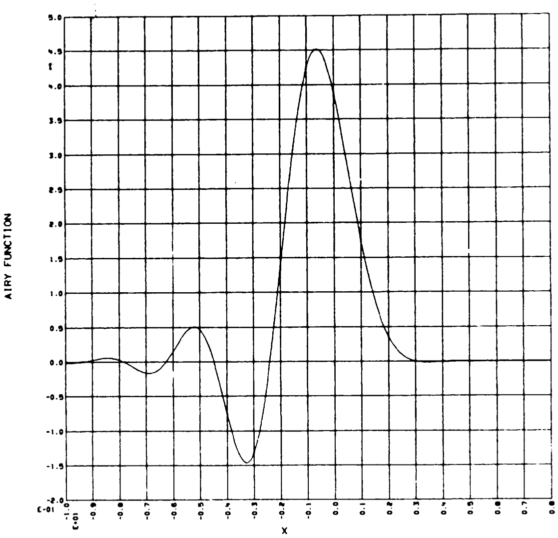
P = 3 Q = 2 ALPHA = 4.0

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.500000	-0.000000	-5.5	-0.499612	0.001606	-1.0	-0.178734	0.184760	3.5	0.453258	0.043549
-9.9	-0.500000	-0.000000	-5.4	-0.499428	0.002078	-0.9	-0.160087	0.188103	3.6	0.457448	0.040282
-9.8	-0.500000	-0.000000	-5.3	-0.499193	0.002644	-0.8	-0.141128	0.191002	3.7	0.461320	0.037194
-9.7	-0.500000	-0.000000	-5.2	-0.498898	0.003317	-0.7	-0.121902	0.193443	3.8	0.464893	0.034282
-9.6	-0.500000	-0.000000	-5.1	-0.498526	0.004110	-0.6	-0.102455	0.195413	3.9	0.468183	0.031542
-9.5	-0.500000	-0.000000	-5.0	-0.498070	0.005036	-0.5	-0.082835	0.196903	4.0	0.471207	0.028971
-9.4	-0.500000	0.000000	-4.9	-0.497514	0.006110	-0.4	-0.063091	0.197908	4.1	0.473982	0.026564
-9.3	-0.500000	0.000000	-4.8	-0.496842	0.007345	-0.3	-0.043270	0.198426	4.2	0.476525	0.024315
-9.2	-0.500000	0.000000	-4.7	-0.496039	0.008756	-0.2	-0.023422	0.198459	4.3	0.478850	0.022218
-9.1	-0.500000	0.000001	-4.6	-0.495085	0.010356	-0.1	-0.003594	0.198013	4.4	0.480973	0.020268
-9.0	-0.500000	0.000001	-4.5	-0.493961	0.012160	0	0.016165	0.197095	4.5	0.482909	0.018457
-8.9	-0.500000	0.000001	-4.4	-0.492646	0.014181	0.1	0.035809	0.195717	4.6	0.484669	0.016780
-8.8	-0.500000	0.000002	-4.3	-0.491117	0.016432	0.2	0.055294	0.193895	4.7	0.486269	0.015230
-8.7	-0.499999	0.000002	-4.2	-0.489351	0.018923	0.3	0.074574	0.191644	4.8	0.487719	0.013800
-8.6	-0.499999	0.000002	-4.1	-0.487324	0.021666	0.4	0.093609	0.188986	4.9	0.489033	0.012484
-8.5	-0.499999	0.000003	-4.0	-0.485009	0.024669	0.5	0.112358	0.185941	5.0	0.490220	0.011274
-8.4	-0.499999	0.000002	-3.9	-0.482381	0.027939	0.6	0.130785	0.182534	5.1	0.491291	0.010165
-8.3	-0.499998	0.000002	-3.8	-0.479413	0.031481	0.7	0.148854	0.178791	5.2	0.492256	0.009151
-8.2	-0.499998	0.000001	-3.7	-0.476078	0.035299	0.8	0.166533	0.174738	5.3	0.493124	0.008224
-8.1	-0.499998	0.000000	-3.6	-0.472344	0.039393	0.9	0.183792	0.170404	5.4	0.493903	0.007379
-8.0	-0.499998	-0.000002	-3.5	-0.468188	0.043761	1.0	0.200605	0.165818	5.5	0.494602	0.006610
-7.9	-0.499999	-0.000004	-3.4	-0.463582	0.048399	1.1	0.216949	0.161010	5.6	0.495228	0.005912
-7.8	-0.499999	-0.000008	-3.3	-0.458500	0.053300	1.2	0.232801	0.156008	5.7	0.495787	0.005280
-7.7	-0.500000	-0.000012	-3.2	-0.452914	0.058453	1.3	0.248145	0.150843	5.8	0.496286	0.004707
-7.6	-0.500002	-0.000017	-3.1	-0.446801	0.063846	1.4	0.262965	0.145544	5.9	0.496730	0.004190
-7.5	-0.500004	-0.000024	-3.0	-0.440137	0.069461	1.5	0.277250	0.140140	6.0	0.497125	0.003724
-7.4	-0.500006	-0.000031	-2.9	-0.432902	0.075282	1.6	0.290990	0.134659	6.1	0.497476	0.003305
-7.3	-0.500010	-0.000039	-2.8	-0.425075	0.081285	1.7	0.304180	0.129129	6.2	0.497788	0.002928
-7.2	-0.500014	-0.000048	-2.7	-0.416640	0.087446	1.8	0.316815	0.123575	6.3	0.498063	0.002590
-7.1	-0.500019	-0.000057	-2.6	-0.407581	0.093739	1.9	0.328895	0.118023	6.4	0.498307	0.002288
-7.0	-0.500026	-0.000065	-2.5	-0.397888	0.100134	2.0	0.340421	0.112498	6.5	0.498522	0.002018
-6.9	-0.500032	-0.000072	-2.4	-0.387552	0.106601	2.1	0.351396	0.107016	6.6	0.498712	0.001777
-6.8	-0.500040	-0.000076	-2.3	-0.376567	0.113105	2.2	0.361826	0.101603	6.7	0.498878	0.001563
-6.7	-0.500048	-0.000075	-2.2	-0.364931	0.119612	2.3	0.371719	0.096276	6.8	0.499025	0.001372
-6.6	-0.500055	-0.000068	-2.1	-0.352646	0.126086	2.4	0.381085	0.091052	6.9	0.499153	0.001203
-6.5	-0.500061	-0.000053	-2.0	-0.339716	0.132491	2.5	0.389934	0.085947	7.0	0.499266	0.001053
-6.4	-0.500065	-0.000025	-1.9	-0.326151	0.138788	2.6	0.398279	0.080973	7.1	0.499365	0.000920
-6.3	-0.500065	0.000019	-1.8	-0.311963	0.144942	2.7	0.406133	0.076142	7.2	0.499451	0.000803
-6.2	-0.500060	0.000082	-1.7	-0.297169	0.150914	2.8	0.413512	0.071465	7.3	0.499526	0.000700
-6.1	-0.500048	0.000170	-1.6	-0.281788	0.156668	2.9	0.420432	0.066951	7.4	0.499591	0.000609
-6.0	-0.500025	0.000289	-1.5	-0.265844	0.162170	3.0	0.426908	0.062605	7.5	0.499648	0.000529
-5.9	-0.499989	0.000446	-1.4	-0.249363	0.167384	3.1	0.432958	0.058434	7.6	0.499697	0.000459
-5.8	-0.499935	0.000647	-1.3	-0.232377	0.172279	3.2	0.438601	0.054440	7.7	0.499740	0.000398
-5.7	-0.499858	0.000901	-1.2	-0.214919	0.176825	3.3	0.443853	0.050628	7.8	0.499777	0.000344
-5.6	-0.499752	0.001218	-1.1	-0.197025	0.180994	3.4	0.448732	0.046997	7.9	0.499809	0.000297
-5.5	-0.499612	0.001606	-1.0	-0.178734	0.184760	3.5	0.453258	0.043549	8.0	0.499837	0.000256



P = 3 Q = 4 ALPHA = 0.5

Figure 34



P = 3 Q = 4 ALPHA = 0.5

Figure 35

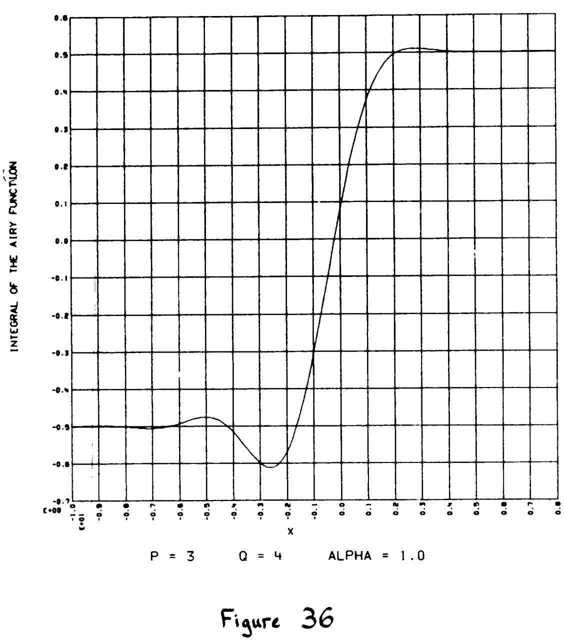
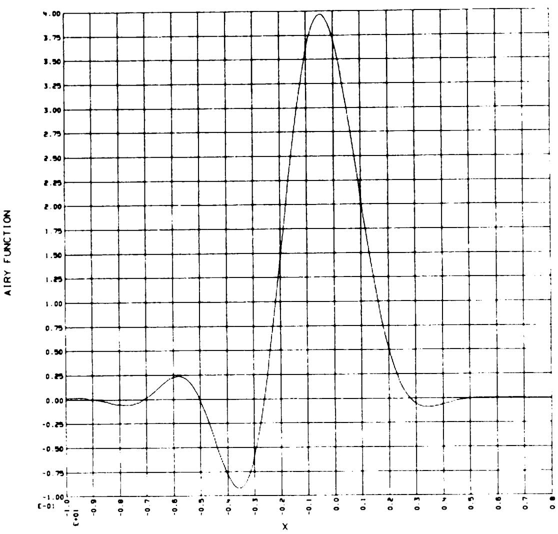
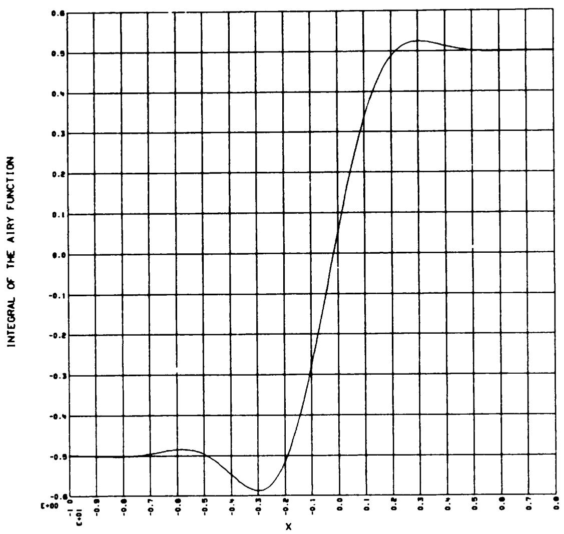


Figure 36



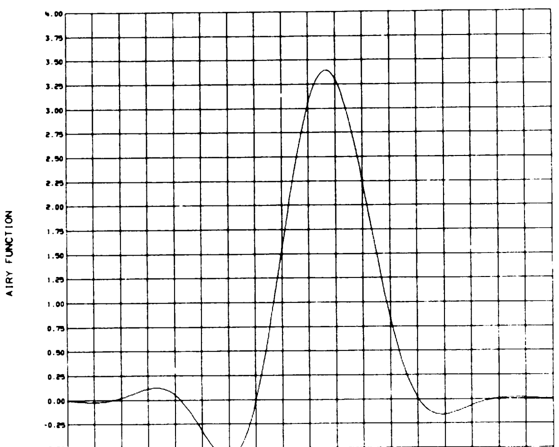
P = 3 Q = 4 ALPHA = 1.0

Figure 37



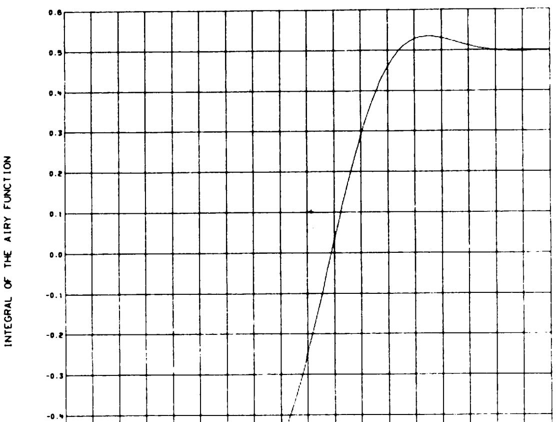
P = 3   Q = 4   ALPHA = 2.0

Figure 38



P = 3 Q = 4 ALPHA = 2.0

Figure 39



P = 3 Q = 4 ALPHA = 4.0

Figure 40

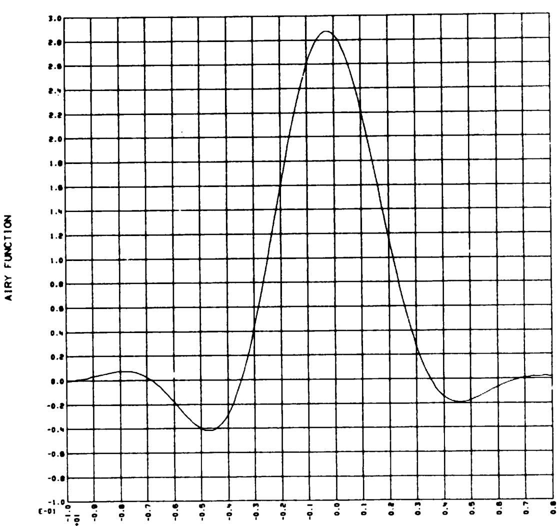


Figure 41

Table 18

P = 3   Q = 4   ALPHA = 0.5

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.500319	-0.001899	-5.5	-0.498025	0.043493	-1.0	-0.319977	0.426033	3.5	0.501069	-0.001677
-9.9	-0.500493	-0.001757	-5.4	-0.491484	0.047119	-0.9	-0.276735	0.438152	3.6	0.500904	0.001619
-9.8	-0.500667	-0.001719	-5.3	-0.488846	0.049413	-0.8	-0.232476	0.446395	3.7	0.500747	-0.001508
-9.7	-0.500833	-0.001571	-5.2	-0.481854	0.050149	-0.7	-0.187585	0.450786	3.8	0.500604	-0.001383
-9.6	-0.500977	-0.001303	-5.1	-0.478874	0.049136	-0.6	-0.142444	0.451415	3.9	0.500475	-0.001199
-9.5	-0.501089	-0.000913	-5.0	-0.471880	0.046227	-0.5	-0.097422	0.448433	4.0	0.500364	-0.001031
-9.4	-0.501156	-0.000404	-4.9	-0.467495	0.041331	-0.4	-0.052871	0.442048	4.1	0.500269	0.000865
-9.3	-0.501166	0.000215	-4.8	-0.463891	0.034415	-0.3	-0.009118	0.432514	4.2	0.500191	-0.000709
-9.2	-0.501110	0.000925	-4.7	-0.460879	0.029513	-0.2	0.033537	0.420126	4.3	0.500127	-0.000568
-9.1	-0.500979	0.001899	-4.6	-0.458852	0.014728	-0.1	0.074823	0.405209	4.4	0.500077	-0.000440
-9.0	-0.500789	0.002503	-4.5	-0.457790	0.002234	0.	0.114508	0.388109	4.5	0.500039	-0.000331
-8.9	-0.500479	0.003299	-4.4	-0.458254	-0.011730	0.1	0.152384	0.369187	4.6	0.500010	0.000239
-8.8	-0.500111	0.004040	-4.3	-0.460175	-0.026856	0.2	0.188295	0.348808	4.7	0.499990	-0.000163
-8.7	-0.499675	0.004677	-4.2	-0.463852	-0.042781	0.3	0.222110	0.327334	4.8	0.499977	-0.000103
-8.6	-0.499181	0.005159	-4.1	-0.468744	-0.059091	0.4	0.253737	0.305115	4.9	0.499969	-0.000055
-8.5	-0.498649	0.005438	-4.0	-0.475468	-0.075332	0.5	0.283119	0.282488	5.0	0.499966	-0.000020
-8.4	-0.498102	0.005468	-3.9	-0.483792	-0.091021	0.6	0.310231	0.259765	5.1	0.499965	0.000005
-8.3	-0.497585	0.005211	-3.8	-0.493637	-0.105862	0.7	0.335078	0.237234	5.2	0.499966	0.000023
-8.2	-0.497070	0.004638	-3.7	-0.504873	-0.118758	0.8	0.357693	0.215153	5.3	0.499969	0.000033
-8.1	-0.496649	0.003733	-3.6	-0.517321	-0.129826	0.9	0.378131	0.193745	5.4	0.499973	0.000039
-8.0	-0.496335	0.002494	-3.5	-0.530795	-0.138411	1.0	0.396471	0.173204	5.5	0.499977	0.000041
-7.9	-0.496161	0.000937	-3.4	-0.544906	-0.144100	1.1	0.412806	0.153886	5.6	0.499981	0.000039
-7.8	-0.496157	-0.000905	-3.3	-0.559457	-0.146534	1.2	0.427246	0.135318	5.7	0.499985	0.000037
-7.7	-0.496350	-0.002981	-3.2	-0.574095	-0.145421	1.3	0.439911	0.118190	5.8	0.499988	0.000033
-7.6	-0.496759	-0.005219	-3.1	-0.588425	-0.140545	1.4	0.450928	0.102363	5.9	0.499991	0.000000
-7.5	-0.497398	-0.007535	-3.0	-0.602074	-0.131772	1.5	0.460428	0.087872	6.0	0.499994	0.000023
-7.4	-0.498265	-0.009825	-2.9	-0.614848	-0.119056	1.6	0.468547	0.074722	6.1	0.499996	0.000019
-7.3	-0.499356	-0.011976	-2.8	-0.625755	-0.102443	1.7	0.475417	0.062898	6.2	0.499997	0.000015
-7.2	-0.500651	-0.013870	-2.7	-0.635011	-0.082088	1.8	0.481170	0.052385	6.3	0.499999	0.000011
-7.1	-0.502117	-0.015381	-2.6	-0.642050	-0.058153	1.9	0.485931	0.043070	6.4	0.500000	0.000008
-7.0	-0.503711	-0.016390	-2.5	-0.646534	-0.030953	2.0	0.489823	0.034949	6.5	0.500000	0.000005
-6.9	-0.505375	-0.016784	-2.4	-0.648156	-0.001006	2.1	0.492958	0.027925	6.6	0.500001	0.000003
-6.8	-0.507044	-0.016466	-2.3	-0.646655	0.031400	2.2	0.495442	0.021917	6.7	0.500001	0.000002
-6.7	-0.508642	-0.015359	-2.2	-0.641813	0.065709	2.3	0.497372	0.016836	6.8	0.500001	0.000000
-6.6	-0.510087	-0.013411	-2.1	-0.633468	0.101378	2.4	0.498837	0.012592	6.9	0.500001	-0.000000
-6.5	-0.511295	-0.010602	-2.0	-0.621511	0.137835	2.5	0.499915	0.009097	7.0	0.500001	-0.000001
-6.4	-0.512179	-0.006945	-1.9	-0.605884	0.174492	2.6	0.500678	0.006262	7.1	0.500001	-0.000001
-6.3	-0.512658	-0.002493	-1.8	-0.586826	0.210760	2.7	0.501187	0.004003	7.2	0.500001	-0.000001
-6.2	-0.512655	0.002685	-1.7	-0.563774	0.246065	2.8	0.501495	0.002240	7.3	0.500001	0.000001
-6.1	-0.512108	0.008398	-1.6	-0.537463	0.279857	2.9	0.501649	0.000899	7.4	0.500001	-0.000001
-6.0	-0.510981	0.014540	-1.5	-0.507870	0.311625	3.0	0.501687	-0.000090	7.5	0.500000	-0.000001
-5.9	-0.509191	0.020890	-1.4	-0.475221	0.340904	3.1	0.501641	-0.000788	7.6	0.500000	-0.000001
-5.8	-0.506784	0.027219	-1.3	-0.439786	0.367290	3.2	0.501537	-0.001250	7.7	0.500000	-0.000001
-5.7	-0.503756	0.033274	-1.2	-0.401871	0.390442	3.3	0.501397	-0.001525	7.8	0.500000	0.000001
-5.6	-0.500147	0.038789	-1.1	-0.361814	0.410089	3.4	0.501237	-0.001656	7.9	0.500000	-0.000000
-5.5	-0.496025	0.043493	-1.0	-0.319977	0.426033	3.5	0.501069	0.001677	8.0	0.500000	-0.000000

Table 19

P = 3   Q = 4   ALPHA = 1.0

X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)
-10.0	-0.499953	0.001121	-5.5	-0.481511	0.020284	-1.0	-0.304925	0.381527	3.5	0.506355	-0.008936
-9.9	-0.499833	0.001278	-5.4	-0.479810	0.017588	-0.9	-0.268151	0.373553	3.6	0.505474	0.008667
-9.8	-0.499899	0.001402	-5.3	-0.478021	0.014061	-0.8	-0.230298	0.383117	3.7	0.504628	-0.008222
-9.7	0.499554	0.001490	-5.2	-0.476826	0.009702	-0.7	-0.191612	0.390147	3.8	0.503834	-0.007645
-9.6	-0.499403	0.001530	-5.1	-0.476108	0.004530	-0.6	-0.152353	0.394611	3.9	0.503102	-0.006979
-9.5	-0.499250	0.001513	-5.0	-0.475946	-0.001412	-0.5	-0.112775	0.396509	4.0	0.502440	-0.006258
-9.4	-0.499102	0.001430	-4.9	-0.476414	-0.008058	-0.4	-0.073135	0.395878	4.1	0.501851	-0.005513
-9.3	-0.498986	0.001274	-4.8	-0.477578	-0.015319	-0.3	-0.033882	0.392791	4.2	0.501337	-0.004768
-9.2	0.498850	0.001040	-4.7	-0.479494	-0.023083	-0.2	0.005345	0.387350	4.3	0.500897	-0.004044
-9.1	-0.498761	-0.000001	-4.6	-0.482208	-0.031213	-0.1	0.043714	0.379888	4.4	0.500527	0.003356
-9.0	-0.498707	0.000332	-4.5	-0.485744	-0.039557	0.	0.081213	0.369956	4.5	0.500224	-0.002716
-8.9	-0.498697	-0.000140	-4.4	-0.490119	-0.047939	0.1	0.117843	0.358339	4.6	0.499982	-0.002133
-8.8	-0.498738	-0.000682	-4.3	-0.495327	-0.056171	0.2	0.152824	0.345032	4.7	0.499795	-0.001612
-8.7	0.498838	-0.001288	-4.2	-0.501342	-0.064051	0.3	0.186800	0.330246	4.8	0.499657	-0.001155
-8.6	-0.498996	-0.001935	-4.1	-0.508118	-0.071371	0.4	0.218832	0.314202	4.9	0.499562	0.000761
-8.5	-0.499224	-0.002814	-4.0	-0.515580	-0.077915	0.5	0.249408	0.297128	5.0	0.499503	-0.000430
-8.4	-0.499519	-0.003300	-3.9	-0.523888	-0.083470	0.6	0.278230	0.279248	5.1	0.499474	0.000159
-8.3	-0.499883	-0.003989	-3.8	-0.532244	-0.087827	0.7	0.305238	0.260795	5.2	0.499469	0.000058
-8.2	-0.500312	-0.004594	-3.7	-0.541187	-0.090788	0.8	0.330377	0.241987	5.3	0.499484	0.000224
-8.1	-0.500800	-0.005145	-3.6	-0.550348	-0.092182	0.9	0.353829	0.223039	5.4	0.499513	0.000346
-8.0	-0.501337	-0.005592	-3.5	-0.559581	-0.091787	1.0	0.374987	0.204150	5.5	0.499552	0.000429
-7.9	0.501914	-0.005904	-3.4	-0.568842	-0.089517	1.1	0.394467	0.185507	5.6	0.499598	0.000480
-7.8	-0.502513	-0.006049	-3.3	-0.577397	-0.085236	1.2	0.412102	0.167283	5.7	0.499647	0.000502
-7.7	-0.503117	-0.005999	-3.2	-0.585620	-0.078856	1.3	0.427943	0.149629	5.8	0.499697	0.000502
-7.6	-0.503705	-0.005728	-3.1	-0.593097	-0.070323	1.4	0.442052	0.132678	5.9	0.499747	0.000485
-7.5	-0.504254	0.005214	-3.0	-0.598612	-0.059818	1.5	0.454506	0.116546	6.0	0.499794	0.000455
-7.4	0.504739	-0.004442	-2.9	-0.604948	-0.046780	1.6	0.465391	0.101326	6.1	0.499837	0.000415
-7.3	-0.505134	-0.003402	-2.8	-0.608894	-0.031805	1.7	0.474804	0.087090	6.2	0.499877	0.000370
-7.2	-0.505410	-0.002091	-2.7	-0.611243	-0.014845	1.8	0.482844	0.073884	6.3	0.499911	0.000322
-7.1	-0.505543	-0.000517	-2.6	-0.611800	0.003990	1.9	0.488818	0.061771	6.4	0.499941	0.000273
-7.0	-0.505506	0.001304	-2.5	-0.610387	0.024535	2.0	0.495235	0.050738	6.5	0.499966	0.000226
-6.9	-0.505275	0.003348	-2.4	-0.606843	0.046593	2.1	0.499802	0.040797	6.6	0.499986	0.000181
-6.8	-0.504830	0.005573	-2.3	-0.601026	0.069938	2.2	0.503430	0.031930	6.7	0.500002	0.000140
-6.7	-0.504156	0.007937	-2.2	-0.592821	0.094316	2.3	0.506223	0.024112	6.8	0.500014	0.000103
-6.6	-0.503240	0.010382	-2.1	-0.582138	0.119453	2.4	0.508286	0.017301	6.9	0.500023	0.000071
-6.5	-0.502079	0.012843	-2.0	-0.568915	0.145060	2.5	0.509715	0.011447	7.0	0.500028	0.000043
-6.4	-0.500673	0.015246	-1.9	-0.553120	0.170833	2.6	0.510605	0.006494	7.1	0.500032	0.000000
-6.3	-0.499034	0.017509	-1.8	-0.534753	0.196484	2.7	0.511042	0.002376	7.2	0.500033	0.000003
-6.2	-0.497179	0.019548	-1.7	-0.513843	0.221843	2.8	0.511108	-0.000975	7.3	0.500032	-0.000011
-6.1	0.495135	0.021272	-1.6	-0.490449	0.246067	2.9	0.510870	-0.003830	7.4	0.500031	-0.000021
-6.0	-0.492938	0.022593	-1.5	-0.464684	0.269439	3.0	0.510401	-0.005881	7.5	0.500028	-0.000028
-5.9	-0.490833	0.023423	-1.4	-0.438606	0.291481	3.1	0.509756	-0.007142	7.6	0.500025	0.000032
-5.8	0.488273	0.023879	-1.3	-0.406421	0.311932	3.2	0.508988	-0.008143	7.7	0.500022	-0.000034
-5.7	-0.485919	0.023282	-1.2	0.374281	0.330558	3.3	0.508141	0.008733	7.8	0.500018	-0.000034
-5.6	-0.483640	0.022189	-1.1	-0.340378	0.347147	3.4	0.507253	-0.008977	7.9	0.500015	-0.000033
-5.5	-0.481511	0.020284	-1.0	-0.304925	0.381527	3.5	0.506355	-0.008936	8.0	0.500012	-0.000030

Table 20

P = 3 Q = 4 ALPHA = 2.0

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.499598	-0.000825	-5.5	-0.486372	-0.010727	-1.0	-0.278834	0.305683	3.5	0.520074	-0.013397
-9.9	-0.499690	-0.001064	-5.4	-0.487844	-0.014755	-0.9	-0.247785	0.315066	3.6	0.518667	-0.014670
-9.8	-0.499809	-0.001308	-5.3	-0.489330	-0.018889	-0.8	-0.215869	0.323001	3.7	0.517155	-0.015506
-9.7	-0.499952	-0.001553	-5.2	-0.491447	-0.023376	-0.7	-0.183235	0.329426	3.8	0.515579	-0.015953
-9.6	-0.500119	-0.001780	-5.1	-0.494008	-0.027853	-0.6	-0.150036	0.334296	3.9	0.513975	-0.016059
-9.5	-0.500310	-0.002013	-5.0	-0.497019	-0.032353	-0.5	-0.116429	0.337582	4.0	0.512377	-0.015870
-9.4	-0.500521	-0.002214	-4.9	-0.500477	-0.036799	-0.4	-0.082573	0.339271	4.1	0.510810	-0.015433
-9.3	-0.500751	-0.002383	-4.8	-0.504374	-0.041111	-0.3	-0.048628	0.339367	4.2	0.509297	-0.014789
-9.2	-0.500998	-0.002512	-4.7	-0.508892	-0.045204	-0.2	-0.014752	0.337888	4.3	0.507857	-0.013979
-9.1	-0.501252	-0.002592	-4.6	-0.513405	-0.048988	-0.1	0.018899	0.334872	4.4	0.506505	-0.0130420
-9.0	-0.501513	-0.002613	-4.5	-0.518476	-0.052371	0.	0.052173	0.330389	4.5	0.505252	-0.012012
-8.9	-0.501773	-0.002568	-4.4	-0.523862	-0.055261	0.1	0.084925	0.324442	4.6	0.504105	-0.010921
-8.8	-0.502024	-0.002456	-4.3	-0.529509	-0.057584	0.2	0.117016	0.317169	4.7	0.503069	-0.009791
-8.7	-0.502259	-0.002246	-4.2	-0.535353	-0.059190	0.3	0.148317	0.308840	4.8	0.502146	-0.008666
-8.6	-0.502470	-0.001955	-4.1	-0.541321	-0.060051	0.4	0.178706	0.299954	4.9	0.501335	-0.007548
-8.5	-0.502647	-0.001572	-4.0	-0.547335	-0.060063	0.5	0.208073	0.288218	5.0	0.500635	-0.006463
-8.4	-0.502781	-0.001094	-3.9	-0.553303	-0.059150	0.6	0.236318	0.276549	5.1	0.500041	-0.005426
-8.3	-0.502863	-0.000519	-3.8	-0.559131	-0.057241	0.7	0.263355	0.264068	5.2	0.499548	-0.004450
-8.2	-0.502882	0.000151	-3.7	-0.564718	-0.054276	0.8	0.289109	0.250899	5.3	0.499149	-0.003542
-8.1	-0.502830	0.000912	-3.6	-0.569950	-0.050204	0.9	0.313517	0.237171	5.4	0.498837	-0.002711
-8.0	-0.502697	0.001757	-3.5	-0.574719	-0.044986	1.0	0.336529	0.223012	5.5	0.498604	-0.001961
-7.9	-0.502476	0.002678	-3.4	-0.578908	-0.038587	1.1	0.358109	0.208548	5.6	0.498442	-0.001294
-7.8	-0.502159	0.003661	-3.3	-0.582399	-0.031021	1.2	0.378232	0.193907	5.7	0.498342	-0.000711
-7.7	-0.501742	0.004692	-3.2	-0.585073	-0.022262	1.3	0.396888	0.179207	5.8	0.498297	-0.000209
-7.6	-0.501220	0.005752	-3.1	-0.586812	-0.012333	1.4	0.414076	0.164568	5.9	0.498298	0.000213
-7.5	-0.500591	0.006821	-3.0	-0.587501	-0.001286	1.5	0.429807	0.150097	6.0	0.498337	0.000560
-7.4	-0.499858	0.007875	-2.9	-0.587029	0.010895	1.6	0.444104	0.135898	6.1	0.498407	0.000836
-7.3	-0.499018	0.008888	-2.8	-0.585288	0.024088	1.7	0.456999	0.122066	6.2	0.498502	0.001047
-7.2	-0.498081	0.009833	-2.7	-0.582179	0.038240	1.8	0.468533	0.108686	6.3	0.498615	0.001198
-7.1	-0.497054	0.010678	-2.6	-0.577611	0.053262	1.9	0.478754	0.095835	6.4	0.498740	0.001297
-7.0	-0.495949	0.011394	-2.5	-0.571501	0.069053	2.0	0.487720	0.083579	6.5	0.498872	0.001350
-6.9	-0.494781	0.011948	-2.4	-0.563778	0.085499	2.1	0.495492	0.071974	6.6	0.499008	0.001362
-6.8	-0.493568	0.012310	-2.3	-0.554383	0.102476	2.2	0.502138	0.061066	6.7	0.499144	0.001341
-6.7	-0.492330	0.012447	-2.2	-0.543270	0.119850	2.3	0.507729	0.050891	6.8	0.499276	0.001292
-6.6	-0.491085	0.012331	-2.1	-0.530405	0.137481	2.4	0.512341	0.041473	6.9	0.499401	0.001221
-6.5	-0.489870	0.011933	-2.0	-0.515770	0.155221	2.5	0.516050	0.032829	7.0	0.499519	0.001134
-6.4	-0.488709	0.011228	-1.9	-0.499362	0.172919	2.6	0.518933	0.024966	7.1	0.499628	0.001034
-6.3	-0.487635	0.010195	-1.8	-0.481193	0.190420	2.7	0.521069	0.017880	7.2	0.499726	0.000927
-6.2	-0.486682	0.008816	-1.7	-0.461290	0.207571	2.8	0.522535	0.011563	7.3	0.499813	0.000816
-6.1	-0.485884	0.007080	-1.6	-0.439695	0.224219	2.9	0.523406	0.005995	7.4	0.499889	0.000705
-6.0	-0.485278	0.004980	-1.5	-0.416468	0.240215	3.0	0.523758	0.001152	7.5	0.499954	0.000596
-5.9	-0.484900	0.002517	-1.4	-0.391679	0.255416	3.1	0.523660	-0.002995	7.6	0.500008	0.000491
-5.8	-0.484786	-0.000304	-1.3	-0.365416	0.269684	3.2	0.523181	-0.006482	7.7	0.500053	0.000393
-5.7	-0.484972	-0.003488	-1.2	-0.337777	0.282894	3.3	0.522384	-0.009350	7.8	0.500087	0.000302
-5.6	-0.485490	-0.006952	-1.1	-0.308876	0.294929	3.4	0.521330	-0.011639	7.9	0.500113	0.000219
-5.5	-0.486372	-0.010727	-1.0	-0.278834	0.305683	3.5	0.520074	-0.013397	8.0	0.500131	0.000146

Table 21

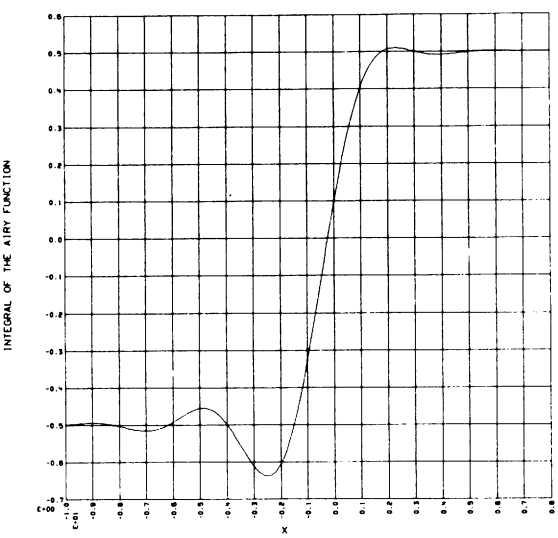
P = 3   Q = 4   ALPHA = 4.0

X	AI1(X)	AI(X)
-10.0	-0.501681	-0.000815
-9.9	-0.501752	-0.000595
-9.8	-0.501799	-0.000336
-9.7	-0.501818	-0.000037
-9.6	-0.501805	0.000302
-9.5	-0.501756	0.000679
-9.4	-0.501668	0.001091
-9.3	-0.501537	0.001537
-9.2	-0.501360	0.002011
-9.1	-0.501134	0.002511
-9.0	-0.500857	0.003028
-8.9	-0.500528	0.003558
-8.8	-0.500145	0.004092
-8.7	-0.499710	0.004623
-8.6	-0.499221	0.005139
-8.5	-0.498683	0.005633
-8.4	-0.498096	0.006092
-8.3	-0.497466	0.006506
-8.2	-0.496797	0.006862
-8.1	-0.496096	0.007148
-8.0	-0.495370	0.007353
-7.9	-0.494628	0.007463
-7.8	-0.493881	0.007466
-7.7	-0.493139	0.007351
-7.6	-0.492415	0.007107
-7.5	-0.491722	0.006722
-7.4	-0.491075	0.006187
-7.3	-0.490490	0.005495
-7.2	-0.489982	0.004638
-7.1	-0.489568	0.003612
-7.0	-0.489265	0.002413
-6.9	-0.489091	0.001041
-6.8	-0.489063	-0.000504
-6.7	-0.489198	-0.002217
-6.6	-0.489512	-0.004092
-6.5	-0.490021	-0.006120
-6.4	-0.490741	-0.008289
-6.3	-0.491683	-0.010584
-6.2	-0.492861	-0.012987
-6.1	-0.494283	-0.015477
-6.0	-0.495958	-0.018030
-5.9	-0.497891	-0.020620
-5.8	-0.500083	-0.023218
-5.7	-0.502533	-0.025791
-5.6	-0.505239	-0.028306
-5.5	-0.508191	-0.030726

X	AI1(X)	AI(X)
-5.5	-0.508191	-0.030726
-5.4	-0.511380	-0.033013
-5.3	-0.514788	-0.035128
-5.2	-0.518398	-0.037030
-5.1	-0.522188	-0.038676
-5.0	-0.526124	-0.040027
-4.9	-0.530180	-0.041039
-4.8	-0.534319	-0.041672
-4.7	-0.538500	-0.041885
-4.6	-0.542680	-0.041639
-4.5	-0.546812	-0.040899
-4.4	-0.550843	-0.039630
-4.3	-0.554719	-0.037801
-4.2	-0.558383	-0.035384
-4.1	-0.561775	-0.032355
-4.0	-0.564833	-0.028695
-3.9	-0.567493	-0.024388
-3.8	-0.569689	-0.019425
-3.7	-0.571356	-0.013801
-3.6	-0.572427	-0.007517
-3.5	-0.572837	-0.000579
-3.4	-0.572522	0.006999
-3.3	-0.571417	0.015200
-3.2	-0.569462	0.023998
-3.1	-0.566598	0.033364
-3.0	-0.562771	0.043281
-2.9	-0.557930	0.053647
-2.8	-0.552027	0.064475
-2.7	-0.545022	0.075692
-2.6	-0.536878	0.087242
-2.5	-0.527564	0.099062
-2.4	-0.517058	0.111088
-2.3	-0.505342	0.123251
-2.2	-0.492406	0.135480
-2.1	-0.478248	0.147701
-2.0	-0.462868	0.159839
-1.9	-0.446284	0.171819
-1.8	-0.428512	0.183565
-1.7	-0.409581	0.195001
-1.6	-0.389525	0.206054
-1.5	-0.368385	0.216651
-1.4	-0.346212	0.226723
-1.3	-0.323061	0.236203
-1.2	-0.298993	0.245029
-1.1	-0.274079	0.253142
-1.0	-0.248390	0.260491

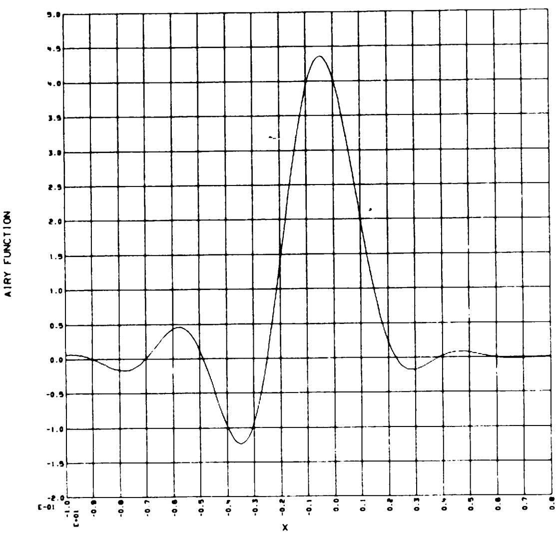
X	AI1(X)	AI(X)
-1.0	-0.248390	0.260491
-0.9	-0.222008	0.267027
-0.8	-0.195014	0.272708
-0.7	-0.167496	0.277499
-0.6	-0.139545	0.281370
-0.5	-0.111253	0.284301
-0.4	-0.082716	0.286278
-0.3	-0.054030	0.287286
-0.2	-0.025291	0.287331
-0.1	0.003404	0.286416
0	0.031960	0.284556
0.1	0.060284	0.281769
0.2	0.088284	0.278082
0.3	0.115872	0.273528
0.4	0.142962	0.268145
0.5	0.169475	0.261977
0.6	0.195333	0.255073
0.7	0.220467	0.247486
0.8	0.244809	0.239272
0.9	0.268302	0.230494
1.0	0.290891	0.221213
1.1	0.312530	0.211496
1.2	0.333178	0.201408
1.3	0.352802	0.191018
1.4	0.371374	0.180394
1.5	0.388875	0.169603
1.6	0.405291	0.158712
1.7	0.420616	0.147786
1.8	0.434849	0.136889
1.9	0.447987	0.126081
2.0	0.460071	0.115419
2.1	0.471088	0.104959
2.2	0.481071	0.094751
2.3	0.490048	0.084842
2.4	0.498051	0.075274
2.5	0.505115	0.066086
2.6	0.511282	0.057310
2.7	0.516592	0.048975
2.8	0.521092	0.041105
2.9	0.524829	0.033719
3.0	0.527852	0.026831
3.1	0.530212	0.020451
3.2	0.531960	0.014585
3.3	0.533146	0.009232
3.4	0.533823	0.004391
3.5	0.534041	0.000054

X	AI1(X)	AI(X)
3.5	0.534041	0.000054
3.6	0.533850	-0.003791
3.7	0.533299	-0.007155
3.8	0.532435	-0.010057
3.9	0.531302	-0.012516
4.0	0.529946	-0.014553
4.1	0.528405	-0.016192
4.2	0.526720	-0.017458
4.3	0.524925	-0.018378
4.4	0.523055	-0.018980
4.5	0.521139	-0.019290
4.6	0.519205	-0.019337
4.7	0.517279	-0.019150
4.8	0.515382	-0.018756
4.9	0.513534	-0.018182
5.0	0.511751	-0.017456
5.1	0.510047	-0.016603
5.2	0.508434	-0.015646
5.3	0.506920	-0.014610
5.4	0.505514	-0.013515
5.5	0.504219	-0.012382
5.6	0.503038	-0.011230
5.7	0.501973	-0.010073
5.8	0.501023	-0.008929
5.9	0.500186	-0.007809
6.0	0.499460	-0.006726
6.1	0.498840	-0.005689
6.2	0.498320	-0.004705
6.3	0.497898	-0.003783
6.4	0.497562	-0.002926
6.5	0.497309	-0.002139
6.6	0.497131	-0.001424
6.7	0.497022	-0.000781
6.8	0.496973	-0.000211
6.9	0.496977	0.000287
7.0	0.497028	0.000715
7.1	0.497118	0.001075
7.2	0.497241	0.001372
7.3	0.497390	0.001607
7.4	0.497560	0.001787
7.5	0.497746	0.001915
7.6	0.497942	0.001996
7.7	0.498143	0.002034
7.8	0.498347	0.002035
7.9	0.498549	0.002003
8.0	0.498747	0.001943



P = 3 Q = 6 ALPHA = 0.5

Figure 42



P = 3 Q = 6 ALPHA = 0.5

Figure 43

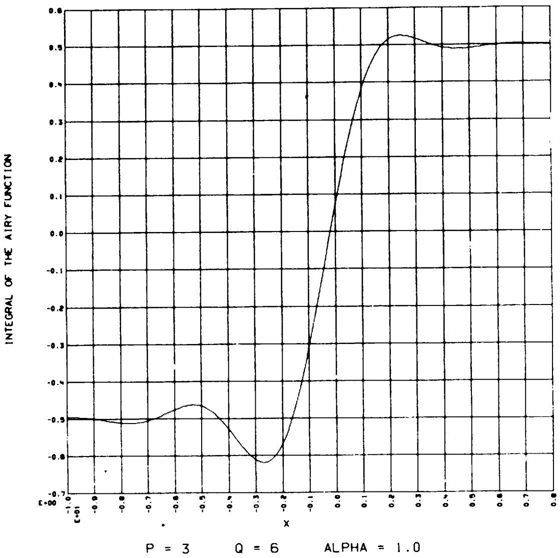


Figure 44

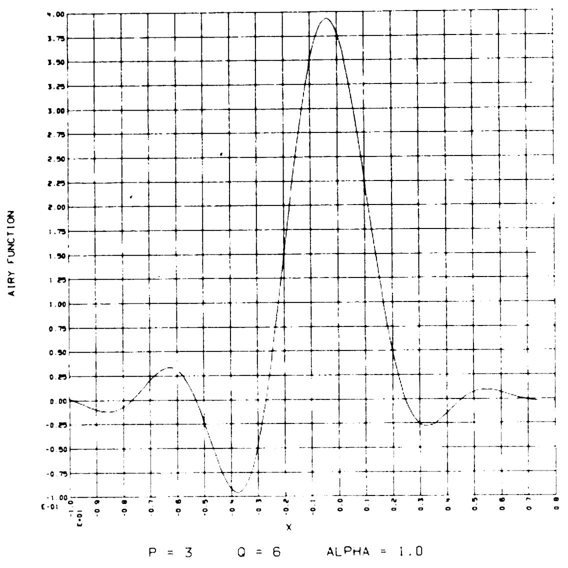


Figure 45

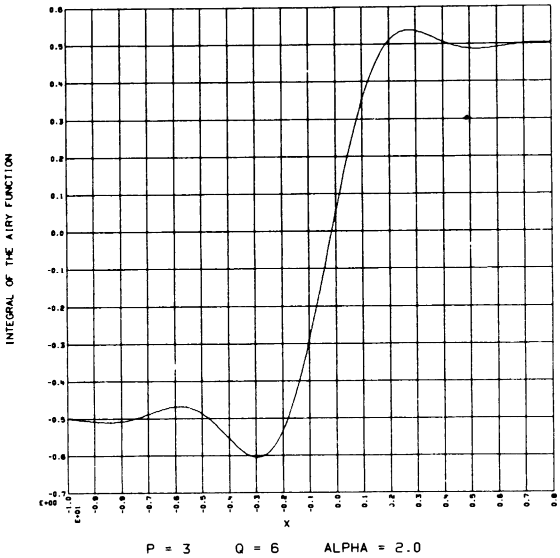


Figure 46

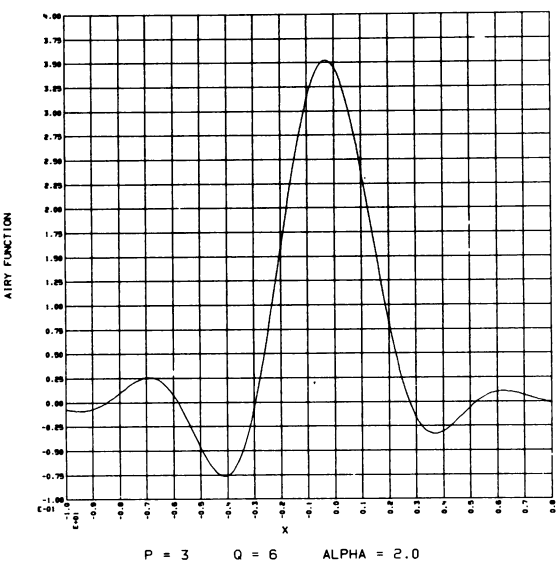
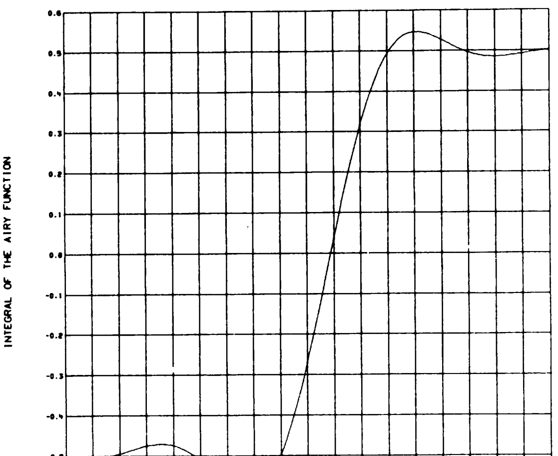
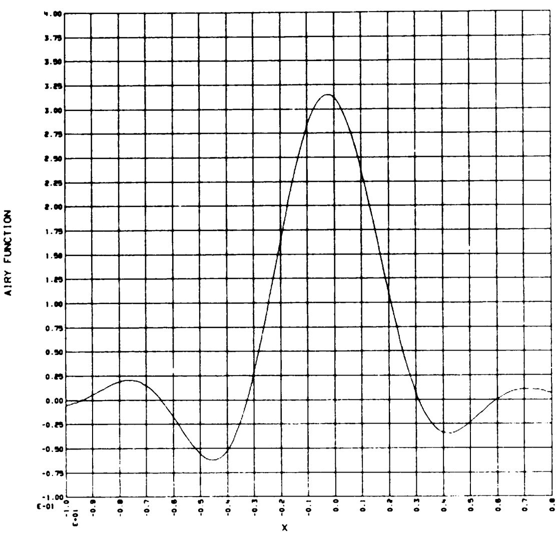


Figure 47



P = 3 Q = 6 ALPHA = 4.0

Figure 48



P = 3   Q = 6   ALPHA = 4.0

Figure 49

Table 22

P = 3   Q = 6   ALPHA = 0.5

X	A11(X)	A1(X)	X	A11(X)	A1(X)	X	A11(X)	A1(X)	X	A11(X)	A1(X)
-10.0	-0.499177	0.006139	-5.5	-0.470530	0.041759	-1.0	-0.325734	0.394145	3.5	0.493320	-0.008494
-9.9	-0.498548	0.006447	-5.4	-0.466525	0.038152	-0.9	-0.285578	0.408536	3.6	0.492586	-0.006174
-9.8	-0.497893	0.006505	-5.3	-0.462941	0.033315	-0.8	-0.244125	0.419984	3.7	0.492084	-0.003889
-9.7	-0.497238	0.006531	-5.2	-0.459802	0.027260	-0.7	-0.201679	0.428418	3.8	0.491805	-0.001703
-9.6	-0.496584	0.006287	-5.1	-0.457528	0.020029	-0.6	-0.158845	0.433748	3.9	0.491738	0.000327
-9.5	-0.495990	0.005782	-5.0	-0.455033	0.011884	-0.5	-0.115033	0.435872	4.0	0.491864	0.002157
-9.4	-0.495445	0.005088	-4.9	-0.455223	0.002354	-0.4	-0.071453	0.435121	4.1	0.492161	0.003756
-9.3	-0.494984	0.004125	-4.8	-0.455492	-0.007860	-0.3	-0.028109	0.431288	4.2	0.492606	0.005100
-9.2	-0.494628	0.002960	-4.7	-0.458819	-0.018781	-0.2	0.014705	0.424529	4.3	0.493173	0.006179
-9.1	-0.494388	0.001585	-4.6	-0.458288	-0.030256	-0.1	0.056708	0.415054	4.4	0.493833	0.006990
-9.0	-0.494317	0.000022	-4.5	-0.462881	-0.042046	0.	0.097831	0.403031	4.5	0.494562	0.007538
-8.9	-0.494400	-0.001700	-4.4	-0.467880	-0.053936	0.1	0.137234	0.388676	4.6	0.495333	0.007836
-8.8	-0.494681	-0.003548	-4.3	-0.473083	-0.065680	0.2	0.175298	0.372232	4.7	0.496121	0.007901
-8.7	-0.495112	-0.005473	-4.2	-0.480003	-0.077022	0.3	0.211820	0.353981	4.8	0.496906	0.007756
-8.6	-0.495757	-0.007432	-4.1	-0.488046	-0.087808	0.4	0.246037	0.334145	4.9	0.497668	0.007428
-8.5	-0.496598	-0.009388	-4.0	-0.498312	-0.097442	0.5	0.278407	0.313072	5.0	0.498386	0.006946
-8.4	-0.497628	-0.011224	-3.9	-0.508494	-0.105886	0.6	0.308819	0.291038	5.1	0.499052	0.006339
-8.3	-0.498838	-0.012938	-3.8	-0.519481	-0.113077	0.7	0.338584	0.268342	5.2	0.499651	0.005637
-8.2	-0.500209	-0.014446	-3.7	-0.531053	-0.118467	0.8	0.362275	0.245273	5.3	0.500177	0.004870
-8.1	-0.501718	-0.015688	-3.6	-0.543090	-0.121935	0.9	0.385844	0.222115	5.4	0.500624	0.004087
-8.0	-0.503338	-0.016803	-3.5	-0.555380	-0.123275	1.0	0.406704	0.199137	5.5	0.500990	0.003253
-7.9	-0.505026	-0.017135	-3.4	-0.567868	-0.122315	1.1	0.425488	0.176591	5.6	0.501275	0.002452
-7.8	-0.506748	-0.017233	-3.3	-0.579756	-0.118914	1.2	0.442045	0.154709	5.7	0.501481	0.001685
-7.7	-0.508458	-0.016854	-3.2	-0.591358	-0.112885	1.3	0.456457	0.133899	5.8	0.501614	0.000969
-7.6	-0.510102	-0.015987	-3.1	-0.602258	-0.104403	1.4	0.468820	0.113743	5.9	0.501677	0.000317
-7.5	-0.511632	-0.014548	-3.0	-0.612158	-0.093203	1.5	0.479246	0.094986	6.0	0.501680	-0.000258
-7.4	-0.512993	-0.012588	-2.9	-0.620809	-0.079385	1.6	0.487884	0.077585	6.1	0.501631	-0.000751
-7.3	-0.514132	-0.010093	-2.8	-0.627850	-0.063009	1.7	0.494811	0.061807	6.2	0.501532	-0.001156
-7.2	-0.514995	-0.007080	-2.7	-0.633329	-0.044183	1.8	0.500235	0.047131	6.3	0.501400	-0.001474
-7.1	-0.515532	-0.003586	-2.6	-0.638710	-0.023056	1.9	0.504289	0.034198	6.4	0.501241	-0.001704
-7.0	-0.515697	0.000340	-2.5	-0.637870	0.000182	2.0	0.507127	0.022821	6.5	0.501062	-0.001852
-6.9	-0.515452	0.004633	-2.4	-0.638611	0.025301	2.1	0.508904	0.012989	6.6	0.500873	-0.001923
-6.8	-0.514784	0.009210	-2.3	-0.632756	0.052038	2.2	0.509775	0.004667	6.7	0.500680	-0.001925
-6.7	-0.513806	0.013978	-2.2	-0.626158	0.080100	2.3	0.509886	-0.002202	6.8	0.500490	-0.001866
-6.6	-0.511985	0.018830	-2.1	-0.616783	0.109163	2.4	0.509380	-0.007683	6.9	0.500308	-0.001755
-6.5	-0.509838	0.023648	-2.0	-0.604304	0.138886	2.5	0.508391	-0.011896	7.0	0.500140	-0.001603
-6.4	-0.507239	0.028305	-1.9	-0.588915	0.168912	2.6	0.507041	-0.014914	7.1	0.499989	-0.001419
-6.3	-0.504187	0.032670	-1.8	-0.570524	0.198874	2.7	0.505443	-0.016861	7.2	0.499857	-0.001213
-6.2	-0.500719	0.036607	-1.7	-0.549155	0.228403	2.8	0.503700	-0.017857	7.3	0.499746	-0.000994
-6.1	-0.496884	0.039983	-1.6	-0.524870	0.257132	2.9	0.501900	-0.018025	7.4	0.499658	-0.000771
-6.0	-0.492746	0.042665	-1.5	-0.497787	0.284708	3.0	0.500119	-0.017492	7.5	0.499592	-0.000551
-5.9	-0.488379	0.044529	-1.4	-0.467979	0.310782	3.1	0.498421	-0.016382	7.6	0.499548	-0.000341
-5.8	-0.483871	0.045461	-1.3	-0.435671	0.335041	3.2	0.496857	-0.014816	7.7	0.499523	-0.000146
-5.7	-0.479321	0.045382	-1.2	-0.401041	0.357190	3.3	0.495480	-0.012908	7.8	0.499518	0.000029
-5.6	-0.474836	0.044149	-1.1	-0.364312	0.376987	3.4	0.494283	-0.010768	7.9	0.499528	0.000181
-5.5	-0.470530	0.041759	-1.0	-0.325734	0.394145	3.5	0.493320	-0.008494	8.0	0.499553	0.000308

Table 23

P = 3 Q = 6 ALPHA = 1.0

X	AI1(X)	AI(X)
-10.0	-0.495791	0.001077
-9.9	-0.495730	0.000128
-9.8	-0.495789	-0.000915
-9.7	-0.495915	-0.002034
-9.6	-0.496177	-0.003211
-9.5	-0.496559	-0.004421
-9.4	-0.497062	-0.005640
-9.3	-0.497686	-0.006838
-9.2	-0.498428	-0.007986
-9.1	-0.499280	-0.009053
-9.0	-0.500234	-0.010006
-8.9	-0.501277	-0.010813
-8.8	-0.502391	-0.011443
-8.7	-0.503559	-0.011866
-8.6	-0.504757	-0.012053
-8.5	-0.505960	-0.011980
-8.4	-0.507143	-0.011627
-8.3	-0.508276	-0.010976
-8.2	-0.509328	-0.010017
-8.1	-0.510269	-0.008744
-8.0	-0.511066	-0.007158
-7.9	-0.511690	-0.005269
-7.8	-0.512111	-0.003091
-7.7	-0.512300	-0.000647
-7.6	-0.512232	0.002032
-7.5	-0.511887	0.004909
-7.4	-0.511245	0.007938
-7.3	-0.510295	0.011069
-7.2	-0.509030	0.014242
-7.1	-0.507448	0.017398
-7.0	-0.505554	0.020463
-6.9	-0.503360	0.023372
-6.8	-0.500886	0.026050
-6.7	-0.498161	0.028424
-6.6	-0.495215	0.030420
-6.5	-0.492091	0.031969
-6.4	-0.488838	0.033003
-6.3	-0.485510	0.033459
-6.2	-0.482167	0.033284
-6.1	-0.478876	0.032430
-6.0	-0.475705	0.030860
-5.9	-0.472729	0.028549
-5.8	-0.470021	0.025482
-5.7	-0.467658	0.021658
-5.6	-0.465714	0.017092
-5.5	-0.464263	0.011812

X	AI1(X)	AI(X)
-5.5	-0.464263	0.011812
-5.4	-0.463374	0.005860
-5.3	-0.463111	-0.000705
-5.2	-0.463533	-0.007809
-5.1	-0.464688	-0.015385
-5.0	-0.466618	-0.023271
-4.9	-0.469350	-0.031412
-4.8	-0.472904	-0.039863
-4.7	-0.477282	-0.047888
-4.6	-0.482476	-0.055841
-4.5	-0.488460	-0.063673
-4.4	-0.495194	-0.070928
-4.3	-0.502624	-0.077550
-4.2	-0.510678	-0.083383
-4.1	-0.519288	-0.088274
-4.0	-0.528287	-0.092078
-3.9	-0.537644	-0.094850
-3.8	-0.547181	-0.095888
-3.7	-0.556788	-0.095614
-3.6	-0.566252	-0.093788
-3.5	-0.575471	-0.090310
-3.4	-0.584257	-0.085115
-3.3	-0.592435	-0.078160
-3.2	-0.599829	-0.069426
-3.1	-0.606261	-0.058916
-3.0	-0.611554	-0.046856
-2.9	-0.615536	-0.032897
-2.8	-0.618039	-0.017113
-2.7	-0.618907	-0.000002
-2.6	-0.617992	0.018516
-2.5	-0.615162	0.038298
-2.4	-0.610296	0.059186
-2.3	-0.603294	0.080998
-2.2	-0.594072	0.103541
-2.1	-0.582568	0.126607
-2.0	-0.568740	0.149977
-1.9	-0.552570	0.173426
-1.8	-0.534060	0.196724
-1.7	-0.513238	0.219639
-1.6	-0.490153	0.241942
-1.5	-0.464877	0.263407
-1.4	-0.437507	0.283818
-1.3	-0.408156	0.302988
-1.2	-0.376961	0.320665
-1.1	-0.344077	0.336732
-1.0	-0.309675	0.351012

X	AI1(X)	AI(X)
-1.0	-0.309675	0.351012
-0.9	-0.273989	0.363389
-0.8	-0.237089	0.373688
-0.7	-0.199272	0.381878
-0.6	-0.160786	0.387873
-0.5	-0.121772	0.391635
-0.4	-0.082514	0.393148
-0.3	-0.043217	0.392424
-0.2	-0.004103	0.389501
-0.1	0.034612	0.384438
0.	0.072716	0.377321
0.1	0.110011	0.368249
0.2	0.146307	0.357370
0.3	0.181429	0.344805
0.4	0.215217	0.330722
0.5	0.247528	0.315293
0.6	0.278237	0.298692
0.7	0.307238	0.281139
0.8	0.334439	0.262800
0.9	0.359777	0.243884
1.0	0.383203	0.224588
1.1	0.404689	0.205107
1.2	0.424225	0.185630
1.3	0.441821	0.166338
1.4	0.457504	0.147404
1.5	0.471319	0.128985
1.6	0.483323	0.111228
1.7	0.493591	0.094263
1.8	0.502208	0.078205
1.9	0.509285	0.063152
2.0	0.514873	0.049182
2.1	0.519140	0.036359
2.2	0.522184	0.024727
2.3	0.524126	0.014312
2.4	0.525088	0.005125
2.5	0.525192	-0.002841
2.6	0.524559	-0.009608
2.7	0.523309	-0.015210
2.8	0.521554	-0.019698
2.9	0.519405	-0.023124
3.0	0.516963	-0.025585
3.1	0.514322	-0.027093
3.2	0.511573	-0.027793
3.3	0.508788	-0.027753
3.4	0.506043	-0.027062
3.5	0.503395	-0.025813

X	AI1(X)	AI(X)
3.5	0.503395	-0.025813
3.6	0.500896	-0.024098
3.7	0.498588	-0.022006
3.8	0.496504	-0.019627
3.9	0.494669	-0.017043
4.0	0.493100	-0.014332
4.1	0.491805	-0.011567
4.2	0.490786	-0.008814
4.3	0.490040	-0.006131
4.4	0.489556	-0.003570
4.5	0.489320	-0.001173
4.6	0.489314	0.001023
4.7	0.489517	0.002991
4.8	0.489904	0.004711
4.9	0.490451	0.006170
5.0	0.491129	0.007362
5.1	0.491914	0.008287
5.2	0.492778	0.008951
5.3	0.493696	0.009365
5.4	0.494643	0.009544
5.5	0.495597	0.009506
5.6	0.496538	0.009274
5.7	0.497447	0.008871
5.8	0.498307	0.008323
5.9	0.499107	0.007654
6.0	0.499835	0.006892
6.1	0.500483	0.006061
6.2	0.501046	0.005188
6.3	0.501520	0.004293
6.4	0.501905	0.003401
6.5	0.502201	0.002529
6.6	0.502412	0.001694
6.7	0.502541	0.000912
6.8	0.502598	0.000195
6.9	0.502583	-0.000449
7.0	0.502509	-0.001012
7.1	0.502383	-0.001499
7.2	0.502214	-0.001880
7.3	0.502010	-0.002183
7.4	0.501780	-0.002402
7.5	0.501533	-0.002539
7.6	0.501275	-0.002600
7.7	0.501015	-0.002592
7.8	0.500759	-0.002523
7.9	0.500512	-0.002399
8.0	0.500280	-0.002230

Table 24

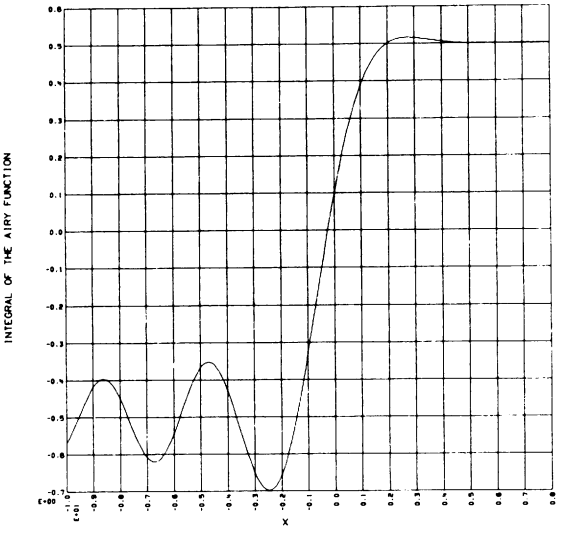
P = 3   Q = 6   ALPHA = 2.0

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.499824	-0.007005	-5.5	-0.471134	-0.017599	-1.0	-0.289966	0.314383	3.5	0.522589	-0.031894
-9.9	-0.500555	-0.007605	-5.4	-0.473181	-0.023351	-0.9	-0.256018	0.324345	3.6	0.519351	-0.032757
-9.8	-0.501342	-0.008112	-5.3	-0.475808	-0.029206	-0.8	-0.225145	0.332885	3.7	0.516059	-0.032982
-9.7	-0.502174	-0.008511	-5.2	-0.479023	-0.035087	-0.7	-0.191481	0.339936	3.8	0.512774	-0.032628
-9.6	-0.503040	-0.008784	-5.1	-0.482823	-0.040914	-0.6	-0.157209	0.345448	3.9	0.509551	-0.031758
-9.5	-0.503926	-0.008917	-5.0	-0.487201	-0.046599	-0.5	-0.122454	0.349382	4.0	0.506437	-0.030434
-9.4	-0.504818	-0.008898	-4.9	-0.492136	-0.052055	-0.4	-0.087386	0.351715	4.1	0.503477	-0.028722
-9.3	-0.505700	-0.008708	-4.8	-0.497601	-0.057189	-0.3	-0.052165	0.352440	4.2	0.500704	-0.026685
-9.2	-0.506554	-0.008344	-4.7	-0.503560	-0.061908	-0.2	-0.016951	0.351583	4.3	0.498148	-0.024386
-9.1	-0.507362	-0.007798	-4.6	-0.509966	-0.066119	-0.1	0.018095	0.349105	4.4	0.495833	-0.021885
-9.0	-0.508106	-0.007059	-4.5	-0.516763	-0.069730	0	0.052818	0.345100	4.5	0.493776	-0.019241
-8.9	-0.508768	-0.006131	-4.4	-0.523889	-0.072652	0.1	0.087065	0.339598	4.6	0.491988	-0.016510
-8.8	-0.509330	-0.005014	-4.3	-0.531268	-0.074797	0.2	0.120690	0.332660	4.7	0.490475	-0.013743
-8.7	-0.509764	-0.003713	-4.2	-0.538819	-0.076085	0.3	0.153552	0.324361	4.8	0.489239	-0.010989
-8.6	-0.510063	-0.002235	-4.1	-0.546454	-0.076440	0.4	0.185519	0.314785	4.9	0.488276	-0.008291
-8.5	-0.510206	-0.000593	-4.0	-0.554074	-0.075793	0.5	0.216469	0.304027	5.0	0.487578	-0.005687
-8.4	-0.510177	0.001197	-3.9	-0.561577	-0.074082	0.6	0.246289	0.292192	5.1	0.487134	-0.003213
-8.3	-0.509962	0.003115	-3.8	-0.568853	-0.071258	0.7	0.274876	0.279391	5.2	0.486930	-0.000897
-8.2	-0.509550	0.005140	-3.7	-0.575790	-0.067278	0.8	0.302139	0.265742	5.3	0.486948	0.001237
-8.1	-0.508932	0.007243	-3.6	-0.582269	-0.062112	0.9	0.328000	0.251369	5.4	0.487170	0.003168
-8.0	-0.508100	0.009396	-3.5	-0.588172	-0.055741	1.0	0.352393	0.236399	5.5	0.487575	0.004884
-7.9	-0.507052	0.011565	-3.4	-0.593377	-0.048159	1.1	0.375264	0.220959	5.6	0.488140	0.006373
-7.8	-0.505788	0.013715	-3.3	-0.597754	-0.039371	1.2	0.396573	0.205181	5.7	0.488842	0.007631
-7.7	-0.504311	0.015808	-3.2	-0.601212	-0.029397	1.3	0.416293	0.189192	5.8	0.489658	0.008657
-7.6	-0.502629	0.017805	-3.1	-0.603605	-0.018269	1.4	0.434409	0.173120	5.9	0.490566	0.009452
-7.5	-0.500754	0.019665	-3.0	-0.604829	-0.006031	1.5	0.450918	0.157089	6.0	0.491541	0.010025
-7.4	-0.498702	0.021348	-2.9	-0.604776	0.007257	1.6	0.465832	0.141216	6.1	0.492563	0.010383
-7.3	-0.496492	0.022811	-2.8	-0.603345	0.021527	1.7	0.479171	0.125617	6.2	0.493611	0.010539
-7.2	-0.494149	0.024014	-2.7	-0.600441	0.036694	1.8	0.490968	0.110398	6.3	0.494665	0.010507
-7.1	-0.491699	0.024918	-2.6	-0.595979	0.052666	1.9	0.501266	0.095654	6.4	0.495707	0.010304
-7.0	-0.489176	0.025488	-2.5	-0.589884	0.069338	2.0	0.510118	0.081479	6.5	0.496721	0.009949
-6.9	-0.486614	0.025684	-2.4	-0.582092	0.086596	2.1	0.517584	0.067955	6.6	0.497692	0.009458
-6.8	-0.484053	0.025480	-2.3	-0.572549	0.104319	2.2	0.523735	0.055151	6.7	0.498608	0.008853
-6.7	-0.481533	0.024848	-2.2	-0.561217	0.122375	2.3	0.528640	0.043130	6.8	0.499460	0.008154
-6.6	-0.479098	0.023767	-2.1	-0.548068	0.140631	2.4	0.532386	0.031941	6.9	0.500237	0.007380
-6.5	-0.476795	0.022220	-2.0	-0.533089	0.158945	2.5	0.535057	0.021626	7.0	0.500934	0.006550
-6.4	-0.474670	0.020197	-1.9	-0.516281	0.177176	2.6	0.536742	0.012214	7.1	0.501546	0.005685
-6.3	-0.472772	0.017694	-1.8	-0.497661	0.195179	2.7	0.537531	0.003723	7.2	0.502070	0.004800
-6.2	-0.471147	0.014714	-1.7	-0.477258	0.212809	2.8	0.537517	-0.003837	7.3	0.502506	0.003915
-6.1	-0.469844	0.011269	-1.6	-0.455116	0.229924	2.9	0.536794	-0.010467	7.4	0.502853	0.003042
-6.0	-0.468908	0.007376	-1.5	-0.431295	0.246383	3.0	0.535455	-0.016178	7.5	0.503115	0.002198
-5.9	-0.468383	0.003063	-1.4	-0.405866	0.262053	3.1	0.533589	-0.020989	7.6	0.503294	0.001394
-5.8	-0.468309	-0.001637	-1.3	-0.378915	0.276804	3.2	0.531286	-0.024928	7.7	0.503395	0.000639
-5.7	-0.468722	-0.006682	-1.2	-0.350540	0.290516	3.3	0.528631	-0.028029	7.8	0.503424	-0.000056
-5.6	-0.469655	-0.012022	-1.1	-0.320850	0.303076	3.4	0.525707	-0.030336	7.9	0.503387	-0.000684
-5.5	-0.471134	-0.017599	-1.0	-0.289966	0.314383	3.5	0.522589	-0.031894	8.0	0.503290	-0.001241

Table 25

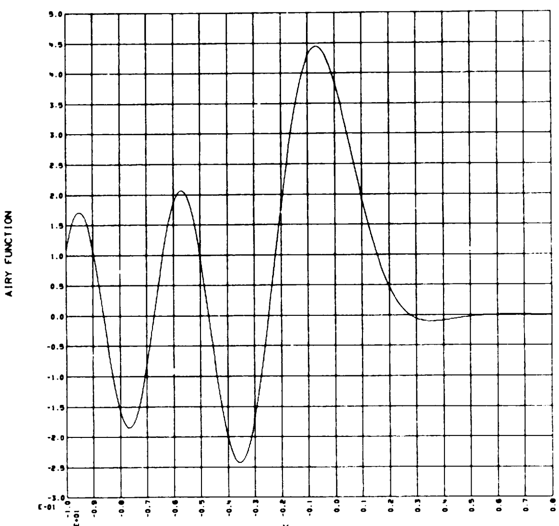
P = 3 Q = 6 ALPHA = 4.0

X	AI(X)	AI'(X)	X	AI(X)	AI'(X)	X	AI(X)	AI'(X)	X	AI(X)	AI'(X)
-10.0	-0.506952	-0.005800	-5.5	-0.489509	-0.038595	-1.0	-0.268645	0.282884	3.5	0.542027	-0.021965
-9.9	-0.507482	-0.004984	-5.4	-0.493589	-0.042573	-0.9	-0.239961	0.290628	3.6	0.539843	-0.025598
-9.8	-0.507945	-0.004249	-5.3	-0.498016	-0.046342	-0.8	-0.210553	0.297368	3.7	0.536928	-0.028585
-9.7	-0.508328	-0.003396	-5.2	-0.502828	-0.049845	-0.7	-0.180522	0.303062	3.8	0.533947	-0.030950
-9.6	-0.508620	-0.002427	-5.1	-0.507975	-0.053026	-0.6	-0.149978	0.307673	3.9	0.530758	-0.032719
-9.5	-0.508810	-0.001349	-5.0	-0.513421	-0.055830	-0.5	-0.119025	0.311174	4.0	0.527422	-0.033924
-9.4	-0.508887	-0.000169	-4.9	-0.519126	-0.058200	-0.4	-0.087779	0.313545	4.1	0.523991	-0.0345990
-9.3	-0.508841	0.001104	-4.8	-0.525044	-0.060084	-0.3	-0.056354	0.314775	4.2	0.520518	-0.034779
-9.2	-0.508663	0.002458	-4.7	-0.531125	-0.061429	-0.2	-0.024862	0.314861	4.3	0.517051	-0.034505
-9.1	-0.508347	0.003882	-4.6	-0.537311	-0.062186	-0.1	0.006580	0.313808	4.4	0.513631	-0.033817
-9.0	-0.507885	0.005360	-4.5	-0.543541	-0.062309	0.	0.037862	0.311630	4.5	0.510300	-0.032756
-8.9	-0.507274	0.006876	-4.4	-0.549750	-0.061755	0.1	0.068870	0.308347	4.6	0.507091	-0.031365
-8.8	-0.506509	0.008411	-4.3	-0.555868	-0.060486	0.2	0.099495	0.303990	4.7	0.504036	-0.029689
-8.7	-0.505591	0.009947	-4.2	-0.561822	-0.058468	0.3	0.129633	0.298595	4.8	0.501161	-0.027768
-8.6	-0.504521	0.011461	-4.1	-0.567538	-0.055673	0.4	0.159181	0.292206	4.9	0.498489	-0.025647
-8.5	-0.503301	0.012933	-4.0	-0.572930	-0.052077	0.5	0.188043	0.284874	5.0	0.496038	-0.023386
-8.4	-0.501936	0.014340	-3.9	-0.577924	-0.047665	0.6	0.216127	0.276656	5.1	0.493820	-0.020966
-8.3	-0.500436	0.015658	-3.8	-0.582435	-0.042425	0.7	0.243347	0.267613	5.2	0.491847	-0.018486
-8.2	-0.498808	0.016863	-3.7	-0.586381	-0.036355	0.8	0.269625	0.257814	5.3	0.490124	-0.015961
-8.1	-0.497068	0.017931	-3.6	-0.589679	-0.029457	0.9	0.294887	0.247331	5.4	0.488655	-0.013428
-8.0	-0.495228	0.018840	-3.5	-0.592245	-0.021742	1.0	0.319070	0.236239	5.5	0.487438	-0.010918
-7.9	-0.493306	0.019566	-3.4	-0.594000	-0.013226	1.1	0.342117	0.224616	5.6	0.486470	-0.008460
-7.8	-0.491321	0.020086	-3.3	-0.594895	-0.003936	1.2	0.363978	0.212544	5.7	0.485743	-0.006081
-7.7	-0.489296	0.020380	-3.2	-0.594763	0.006098	1.3	0.384613	0.200105	5.8	0.485250	-0.003805
-7.6	-0.487253	0.020429	-3.1	-0.593822	0.016837	1.4	0.403990	0.187383	5.9	0.484978	-0.001653
-7.5	-0.485219	0.020215	-3.0	-0.591373	0.028235	1.5	0.422083	0.174481	6.0	0.484915	0.000357
-7.4	-0.483220	0.019722	-2.9	-0.587954	0.040240	1.6	0.438878	0.161421	6.1	0.485044	0.0022[illegible]
-7.3	-0.481284	0.018938	-2.8	-0.583307	0.052794	1.7	0.454386	0.148347	6.2	0.485351	0.003896
-7.2	-0.479442	0.017854	-2.7	-0.577380	0.065831	1.8	0.468549	0.135317	6.3	0.485818	0.005404
-7.1	-0.477724	0.016461	-2.6	-0.570127	0.079284	1.9	0.481434	0.122409	6.4	0.486426	0.006728
-7.0	-0.476160	0.014757	-2.5	-0.561511	0.093076	2.0	0.493037	0.109696	6.5	0.487157	0.007866
-6.9	-0.474783	0.012742	-2.4	-0.551503	0.107130	2.1	0.503382	0.097248	6.6	0.487993	0.008816
-6.8	-0.473622	0.010420	-2.3	-0.540080	0.121362	2.2	0.512498	0.085133	6.7	0.488914	0.009580
-6.7	-0.472709	0.007798	-2.2	-0.527229	0.135688	2.3	0.520422	0.073410	6.8	0.489903	0.010163
-6.6	-0.472072	0.004889	-2.1	-0.512881	0.150019	2.4	0.527195	0.062137	6.9	0.490941	0.010569
-6.5	-0.471740	0.001708	-2.0	-0.497227	0.164286	2.5	0.532866	0.051363	7.0	0.492011	0.010807
-6.4	-0.471739	-0.001724	-1.9	-0.480094	0.178340	2.6	0.537486	0.041135	7.1	0.493097	0.010886
-6.3	-0.472093	-0.005383	-1.8	-0.461567	0.192149	2.7	0.541112	0.031490	7.2	0.494183	0.010817
-6.2	-0.472822	-0.009240	-1.7	-0.441676	0.205604	2.8	0.543804	0.022463	7.3	0.495256	0.010612
-6.1	-0.473946	-0.013262	-1.6	-0.420461	0.218618	2.9	0.545626	0.014079	7.4	0.496301	0.010283
-6.0	-0.475479	-0.017414	-1.5	-0.397970	0.231105	3.0	0.546642	0.006381	7.5	0.497309	0.009845
-5.9	-0.477432	-0.021654	-1.4	-0.374261	0.242981	3.1	0.546921	0.000679	7.6	0.498267	0.009310
-5.8	-0.479811	-0.025940	-1.3	-0.349397	0.254169	3.2	0.546530	-0.007031	7.7	0.499168	0.008694
-5.7	-0.482620	-0.030226	-1.2	-0.323452	0.264594	3.3	0.545538	-0.012693	7.8	0.500004	0.008010
-5.6	-0.485855	-0.034461	-1.1	-0.296506	0.274187	3.4	0.544014	-0.017668	7.9	0.500768	0.007273
-5.5	-0.489509	-0.038595	-1.0	-0.268645	0.282884	3.5	0.542027	-0.021965	8.0	0.501457	0.006497



P = 5 Q = 2 ALPHA = 0.

Figure 50



P = 5 Q = 2 ALPHA = 0.

Figure 51

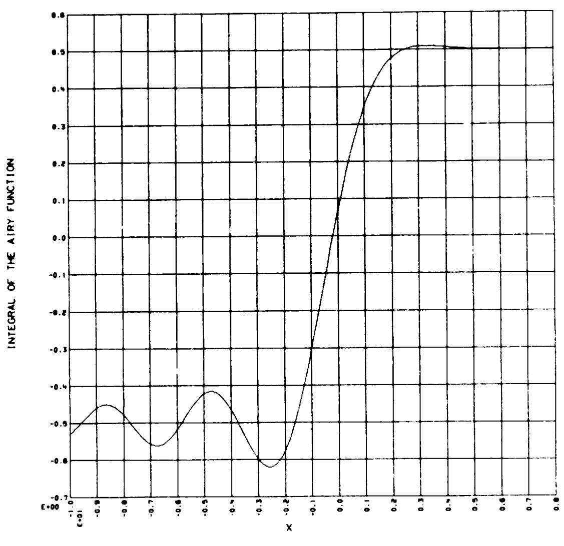
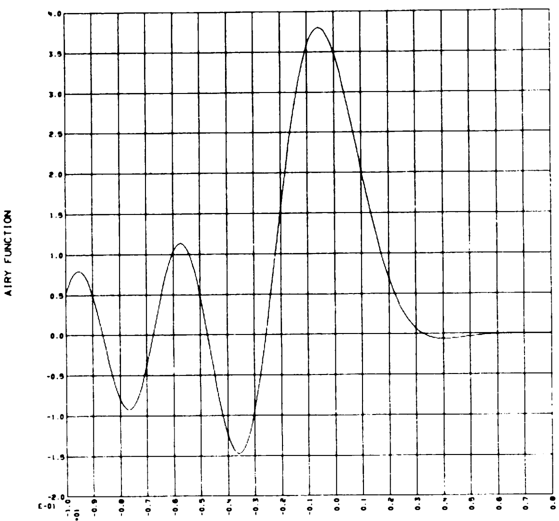
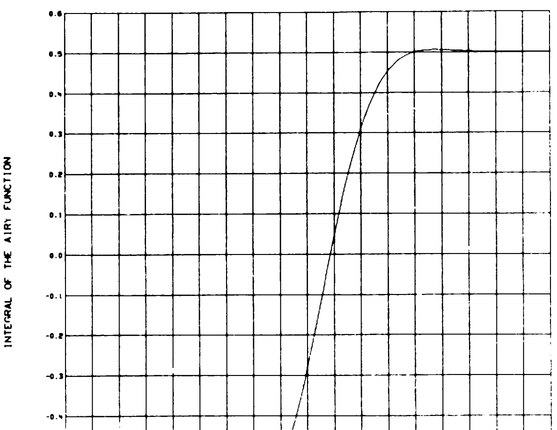


Figure 52



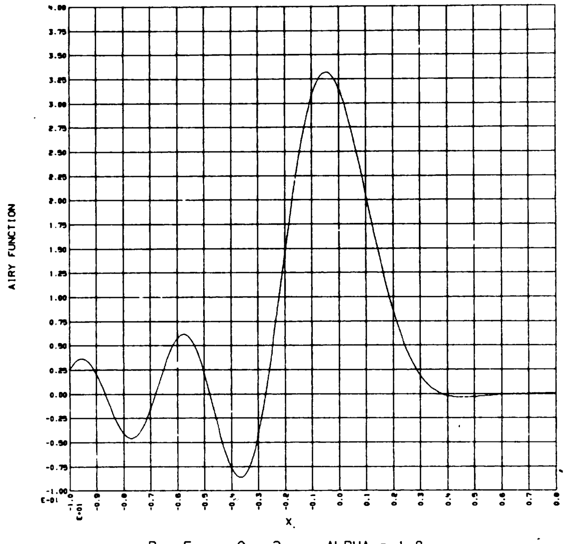
P = 5 Q = 2 ALPHA = 0.5

Figure 53



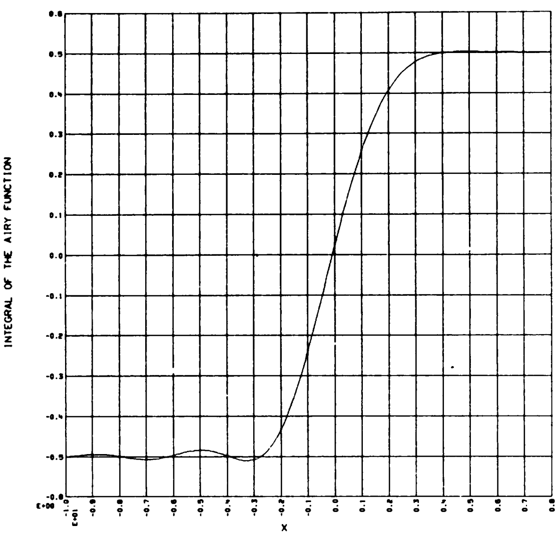
P = 5 Q = 2 ALPHA = 1.0

Figure 54



P = 5   Q = 2   ALPHA = 1.0

Figure 55



P = 5 Q = 2 ALPHA = 2.0

Figure 56

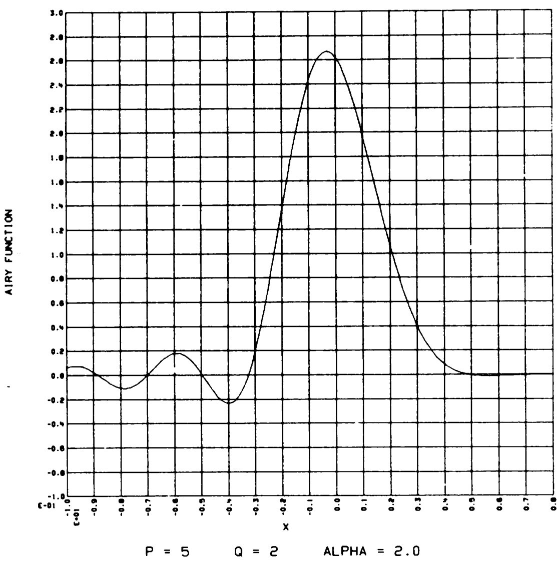
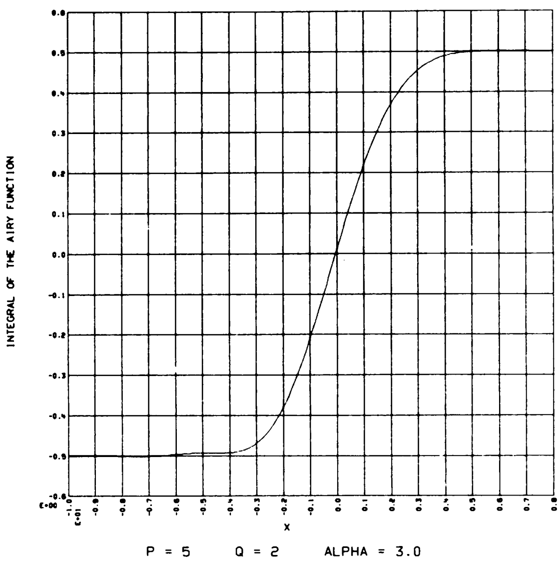


Figure 57



P = 5 Q = 2 ALPHA = 3.0

Figure 58

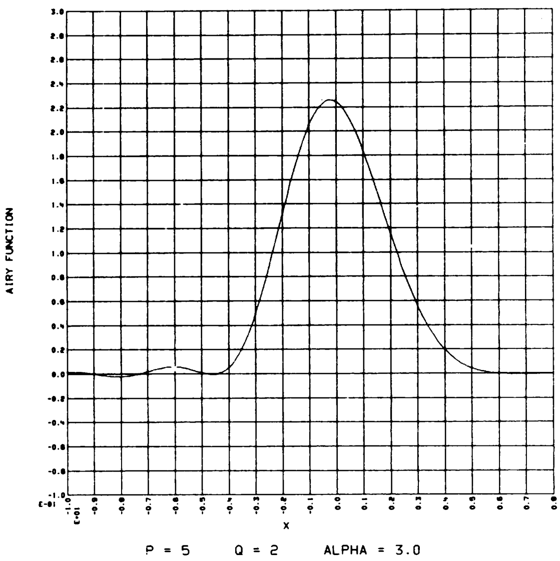
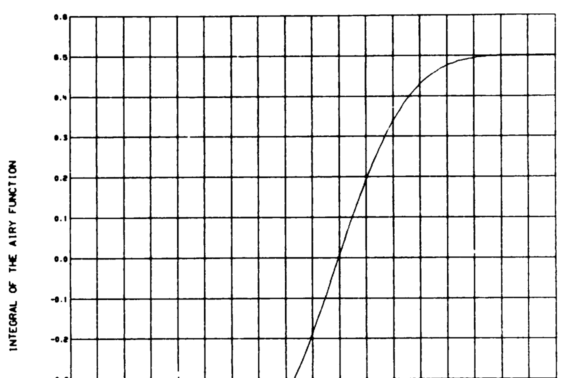


Figure 59



P = 5 Q = 2 ALPHA = 4.0

Figure 60

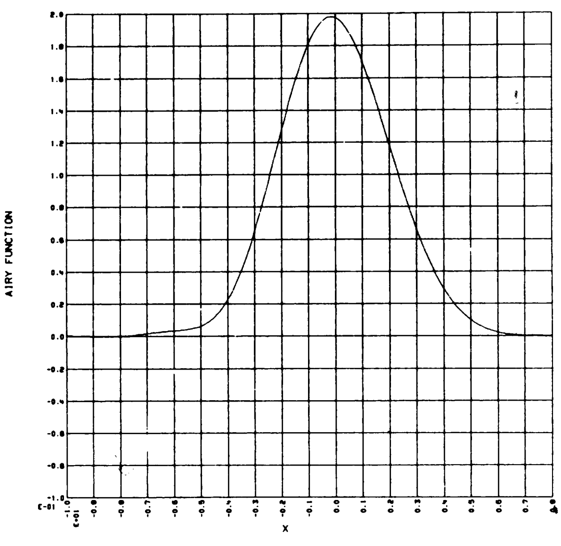


Figure 61

Table 26

P = 5   Q = 2   ALPHA = 0.

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.569127	0.109870	-5.5	-0.443428	0.196381	-1.0	-0.328055	0.429282	3.5	0.510659	-0.010405
-9.9	-0.557045	0.131141	-5.4	-0.424377	0.183887	-0.9	-0.284690	0.437468	3.6	0.509618	-0.010377
-9.8	-0.543033	0.148388	-5.3	-0.406798	0.166994	-0.8	-0.240669	0.442419	3.7	0.508589	-0.010159
-9.7	-0.527520	0.161073	-5.2	-0.391113	0.146071	-0.7	-0.196311	0.444231	3.8	0.507591	-0.009789
-9.6	-0.510984	0.168802	-5.1	-0.377702	0.121592	-0.6	-0.151923	0.443038	3.9	0.506636	-0.009302
-9.5	-0.493933	0.171333	-5.0	-0.366895	0.094109	-0.5	-0.107798	0.439000	4.0	0.505734	-0.008726
-9.4	-0.476893	0.168589	-4.9	-0.358960	0.064236	-0.4	-0.064212	0.432311	4.1	0.504892	-0.008090
-9.3	-0.460389	0.160654	-4.8	-0.354105	0.032634	-0.3	-0.021418	0.423181	4.2	0.504117	-0.007418
-9.2	-0.444928	0.147769	-4.7	-0.352468	-0.000006	-0.2	0.020351	0.411842	4.3	0.503410	-0.006723
-9.1	-0.430987	0.130323	-4.6	-0.354117	-0.032975	-0.1	0.060685	0.398533	4.4	0.502772	-0.006028
-9.0	-0.418998	0.108843	-4.5	-0.359050	-0.065567	0.	0.100000	0.383507	4.5	0.502204	-0.005346
-8.9	-0.409332	0.083971	-4.4	-0.367195	-0.097088	0.1	0.137537	0.367017	4.6	0.501702	-0.004686
-8.8	-0.402292	0.056448	-4.3	-0.378410	-0.126876	0.2	0.173363	0.349317	4.7	0.501265	-0.004059
-8.7	-0.398103	0.027090	-4.2	-0.392491	-0.154309	0.3	0.207368	0.330660	4.8	0.500889	-0.003469
-8.6	-0.396906	-0.003239	-4.1	-0.409174	-0.178820	0.4	0.239471	0.311288	4.9	0.500570	-0.002923
-8.5	-0.398754	-0.033650	-4.0	-0.428141	-0.199909	0.5	0.269611	0.291437	5.0	0.500303	-0.002422
-8.4	-0.403610	-0.063259	-3.9	-0.449028	-0.217145	0.6	0.297750	0.271327	5.1	0.500084	-0.001968
-8.3	-0.411350	-0.091208	-3.8	-0.471430	-0.230179	0.7	0.323874	0.251165	5.2	0.499908	-0.001563
-8.2	-0.421769	-0.116689	-3.7	-0.494914	-0.238748	0.8	0.347968	0.231144	5.3	0.499770	-0.001204
-8.1	-0.434581	-0.138978	-3.6	-0.519024	-0.242668	0.9	0.370113	0.211436	5.4	0.499666	-0.000891
-8.0	-0.449437	-0.157439	-3.5	-0.543290	-0.241856	1.0	0.390291	0.192197	5.5	0.499591	-0.000620
-7.9	-0.465924	-0.171551	-3.4	-0.567238	-0.236307	1.1	0.408573	0.173562	5.6	0.499540	-0.000391
-7.8	-0.483588	-0.180916	-3.3	-0.590396	-0.226101	1.2	0.425027	0.155649	5.7	0.499511	-0.000199
-7.7	-0.501940	-0.185272	-3.2	-0.612308	-0.211402	1.3	0.439730	0.138555	5.8	0.499499	-0.000041
-7.6	-0.520472	-0.184499	-3.1	-0.632535	-0.192444	1.4	0.452768	0.122361	5.9	0.499502	0.000085
-7.5	-0.538669	-0.178617	-3.0	-0.650665	-0.169532	1.5	0.464234	0.107126	6.0	0.499515	0.000184
-7.4	-0.556030	-0.167785	-2.9	-0.666321	-0.143029	1.6	0.474227	0.092895	6.1	0.499538	0.000258
-7.3	-0.572071	-0.152299	-2.8	-0.679165	-0.113348	1.7	0.482848	0.079697	6.2	0.499566	0.000311
-7.2	-0.586348	-0.132575	-2.7	-0.688900	-0.080945	1.8	0.490201	0.067545	6.3	0.499599	0.000348
-7.1	-0.598462	-0.109141	-2.6	-0.695279	-0.046308	1.9	0.496392	0.056438	6.4	0.499635	0.000365
-7.0	-0.608073	-0.082619	-2.5	-0.698104	-0.009942	2.0	0.501523	0.046364	6.5	0.499672	0.000372
-6.9	-0.614907	-0.053711	-2.4	-0.697227	0.027629	2.1	0.505698	0.037299	6.6	0.499709	0.000369
-6.8	-0.618761	-0.023174	-2.3	-0.692555	0.065881	2.2	0.509016	0.029213	6.7	0.499745	0.000357
-6.7	-0.619514	0.008197	-2.2	-0.684046	0.104298	2.3	0.511572	0.022064	6.8	0.499780	0.000340
-6.6	-0.617121	0.039592	-2.1	-0.671707	0.142378	2.4	0.513458	0.015806	6.9	0.499813	0.000317
-6.5	-0.611621	0.070204	-2.0	-0.655597	0.179842	2.5	0.514761	0.010386	7.0	0.499844	0.000292
-6.4	-0.603132	0.099256	-1.9	-0.635821	0.215640	2.6	0.515561	0.005750	7.1	0.499872	0.000265
-6.3	-0.591847	0.126013	-1.8	-0.612525	0.249860	2.7	0.515935	0.001839	7.2	0.499897	0.000237
-6.2	-0.578029	0.149803	-1.7	-0.585897	0.282227	2.8	0.515951	-0.001408	7.3	0.499919	0.000209
-6.1	-0.562005	0.170037	-1.6	-0.556159	0.312115	2.9	0.515674	-0.004046	7.4	0.499938	0.000182
-6.0	-0.544157	0.186213	-1.5	-0.523563	0.339342	3.0	0.515161	-0.006140	7.5	0.499955	0.000156
-5.9	-0.524911	0.197837	-1.4	-0.488387	0.363679	3.1	0.514462	-0.007747	7.6	0.499970	0.000131
-5.8	-0.504727	0.204923	-1.3	-0.450930	0.384945	3.2	0.513625	-0.008924	7.7	0.499982	0.000109
-5.7	-0.484090	0.207003	-1.2	-0.411505	0.403012	3.3	0.512690	-0.009726	7.8	0.499991	0.000088
-5.6	-0.463492	0.204126	-1.1	-0.370437	0.417802	3.4	0.511691	-0.010203	7.9	0.499999	0.000070
-5.5	-0.443428	0.196381	-1.0	-0.328055	0.429282	3.5	0.510659	-0.010405	8.0	0.500006	0.000054

Table 27

P = 5 Q = 2 ALPHA = 0.5

X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)
-10.0	-0.529407	0.052065	-5.5	-0.463014	0.106707	1.0	-0.303034	0.358946	3.5	0.509156	-0.003706
-9.9	-0.523711	0.061571	-5.4	-0.452688	0.099384	-0.9	-0.266881	0.367711	3.6	0.508738	0.004663
-9.8	-0.517153	0.069250	-5.3	-0.443221	0.089560	-0.8	-0.229571	0.374095	3.7	0.508232	-0.005359
-9.7	-0.509931	0.074844	-5.2	-0.434853	0.077438	0.7	-0.191941	0.378124	3.8	0.507671	-0.005828
-9.6	-0.502261	0.078161	-5.1	-0.427802	0.063269	-0.6	-0.154023	0.379849	3.9	0.507073	-0.006103
-9.5	-0.494378	0.079081	-5.0	-0.422257	0.047353	-0.5	-0.116045	0.379348	4.0	0.506456	-0.006214
9.4	-0.486526	0.077554	4.9	-0.418378	0.030031	-0.4	-0.078224	0.376722	4.1	0.505835	0.006189
-9.3	0.478948	0.073608	-4.8	-0.416288	0.011873	-0.3	-0.040768	0.372090	4.2	0.505222	-0.006053
-9.2	-0.471882	0.067343	-4.7	-0.416065	-0.007325	-0.2	-0.003869	0.365588	4.3	0.504627	-0.005829
9.1	-0.465551	0.058929	-4.6	-0.417758	-0.026553	-0.1	0.032293	0.357368	4.4	0.504059	-0.005536
-9.0	0.460160	0.048605	-4.5	-0.421369	-0.045595	0.	0.067553	0.347590	4.5	0.503522	-0.005194
8.9	-0.455884	0.036683	-4.4	-0.428857	-0.064038	0.1	0.101784	0.336425	4.6	0.503021	-0.004816
-8.8	0.452870	0.023449	-4.3	-0.434143	-0.081478	0.2	0.134797	0.324047	4.7	0.502559	-0.004418
-8.7	-0.451224	0.009344	-4.2	-0.443107	-0.097533	0.3	0.166539	0.310634	4.8	0.502138	-0.004010
8.6	-0.451017	-0.005241	-4.1	-0.453592	-0.111846	0.4	0.196896	0.296363	4.9	0.501757	-0.003602
-8.5	0.452274	-0.019883	-4.0	-0.465407	-0.124091	0.5	0.225789	0.281410	5.0	0.501417	-0.003202
-8.4	-0.454981	-0.034151	-3.9	-0.478332	-0.133986	0.6	0.253181	0.265945	5.1	0.501116	-0.002815
-8.3	0.459078	-0.047630	-3.8	-0.492118	-0.141299	0.7	0.278967	0.250133	5.2	0.500853	-0.002448
-8.2	-0.464467	-0.059920	-3.7	-0.506498	-0.145806	0.8	0.303181	0.234129	5.3	0.500626	-0.002103
8.1	-0.471011	0.070659	-3.6	-0.521181	-0.147395	0.9	0.325791	0.218081	5.4	0.500432	-0.001783
-8.0	-0.478537	-0.079526	-3.5	-0.535875	-0.145967	1.0	0.346800	0.202123	5.5	0.500269	-0.001489
-7.9	-0.486844	-0.088251	-3.4	-0.550273	-0.141482	1.1	0.366223	0.186382	5.6	0.500133	0.001224
-7.8	-0.495708	-0.090627	-3.3	-0.564070	-0.133957	1.2	0.384087	0.170969	5.7	0.500023	-0.000985
-7.7	-0.504886	-0.092507	-3.2	-0.576965	-0.123457	1.3	0.400431	0.155983	5.8	0.499935	-0.000774
7.6	-0.514124	-0.091818	3.1	-0.588666	-0.110097	1.4	0.415301	0.141512	5.9	0.499867	-0.000589
-7.5	0.523184	-0.088553	-3.0	-0.598894	-0.094036	1.5	0.428753	0.127628	6.0	0.499817	-0.000429
-7.4	-0.531751	-0.082779	-2.9	-0.607390	-0.075475	1.6	0.440848	0.114393	6.1	0.499781	0.000292
-7.3	-0.539841	-0.074630	-2.8	-0.613914	-0.054653	1.7	0.451855	0.101857	6.2	0.499758	-0.000177
-7.2	-0.546604	-0.064303	-2.7	-0.618254	-0.031839	1.8	0.461244	0.090055	6.3	0.499745	-0.000081
7.1	-0.552437	-0.052056	-2.6	-0.620225	-0.007329	1.9	0.469691	0.079014	6.4	0.499741	-0.000003
-7.0	-0.556962	-0.038198	-2.5	-0.619674	0.018560	2.0	0.477073	0.068748	6.5	0.499744	0.000058
-6.9	-0.560035	-0.023081	-2.4	-0.618478	0.045499	2.1	0.483467	0.059263	6.6	0.499752	0.000106
-6.8	-0.561549	-0.007092	-2.3	-0.610550	0.073146	2.2	0.488951	0.050557	6.7	0.499764	0.000141
-6.7	-0.561438	0.009360	-2.2	-0.601837	0.101161	2.3	0.493604	0.042618	6.8	0.499780	0.000165
-6.6	-0.559676	0.025851	2.1	-0.590317	0.129204	2.4	0.497500	0.035427	6.9	0.499797	0.000181
-6.5	-0.556280	0.041957	-2.0	-0.578006	0.156944	2.5	0.500713	0.028961	7.0	0.499816	0.000189
-6.4	-0.551311	0.057262	-1.9	-0.558949	0.184061	2.6	0.503315	0.023190	7.1	0.499835	0.000191
6.3	-0.544888	0.071370	-1.8	-0.539224	0.210257	2.7	0.505373	0.018082	7.2	0.499854	0.000188
-6.2	0.537089	0.083911	-1.7	-0.516938	0.235251	2.8	0.506952	0.013598	7.3	0.499872	0.000181
-6.1	-0.528149	0.094558	-1.6	-0.492223	0.258789	2.9	0.508113	0.009701	7.4	0.499890	0.000171
-6.0	-0.518250	0.103027	-1.5	-0.465238	0.280647	3.0	0.508911	0.006349	7.5	0.499906	0.000159
-5.9	-0.507624	0.109086	-1.4	-0.436156	0.300625	3.1	0.509399	0.003500	7.6	0.499922	0.000146
5.8	-0.496519	0.112583	1.3	-0.405179	0.318560	3.2	0.509626	0.001111	7.7	0.499935	0.000132
-5.7	0.485201	0.113346	-1.2	0.372517	0.334320	3.3	0.509635	-0.000858	7.8	0.499948	0.000118
-5.6	-0.473941	0.111388	-1.1	-0.338391	0.347804	3.4	0.509467	-0.002451	7.9	0.499959	0.000104
5.5	-0.463014	0.106707	1.0	-0.303034	0.358946	3.5	0.509156	-0.003706	8.0	0.499969	0.000090

Table 28

P = 5   Q = 2   ALPHA = 1.0

X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)
-10.0	-0.511874	0.025422	-5.5	-0.475192	0.056631	-1.0	-0.279027	0.308079	3.5	0.505299	0.004171
-9.9	-0.509121	0.029508	-5.4	-0.469749	0.051980	-0.9	-0.247790	0.316370	3.6	0.505623	0.002375
-9.8	-0.506001	0.032736	-5.3	-0.464842	0.045942	-0.8	-0.215811	0.322904	3.7	0.505783	0.000874
-9.7	-0.502606	0.034991	-5.2	-0.460603	0.038631	-0.7	-0.183268	0.327672	3.8	0.505807	-0.000359
-9.6	-0.499038	0.036185	-5.1	-0.457154	0.030189	-0.6	-0.150335	0.330687	3.9	0.505720	0.001353
-9.5	-0.495406	0.036263	-5.0	-0.454598	0.020787	-0.5	-0.117188	0.331977	4.0	0.505544	-0.0021350
-9.4	-0.491823	0.035205	-4.9	-0.453021	0.010623	-0.4	-0.083996	0.331581	4.1	0.505299	-0.002730
-9.3	-0.488403	0.033025	-4.8	-0.452491	-0.000089	-0.3	-0.050923	0.329593	4.2	0.505003	-0.003163
-9.2	-0.485254	0.029770	-4.7	-0.453050	-0.011116	-0.2	-0.018128	0.326062	4.3	0.504671	-0.003456
-9.1	-0.482482	0.025523	-4.6	-0.454717	-0.022217	-0.1	0.014241	0.321088	4.4	0.504315	0.003631
-9.0	-0.480179	0.020396	-4.5	-0.457487	-0.033144	0.	0.046045	0.314773	4.5	0.503948	-0.003703
-8.9	-0.478427	0.014531	-4.4	-0.461331	-0.043646	0.1	0.077154	0.307228	4.6	0.503577	-0.003695
-8.8	-0.477292	0.008090	-4.3	-0.466194	-0.053480	0.2	0.107453	0.298572	4.7	0.503211	-0.003618
-8.7	-0.476822	0.001257	-4.2	-0.471997	-0.062409	0.3	0.136836	0.288926	4.8	0.502855	-0.003489
-8.6	-0.477047	-0.005770	-4.1	-0.478639	-0.070211	0.4	0.165210	0.278417	4.9	0.502515	-0.003318
-8.5	-0.477976	-0.012706	-4.0	-0.485995	-0.076680	0.5	0.192495	0.267172	5.0	0.502193	-0.003117
-8.4	-0.479597	-0.019566	-3.9	-0.493924	-0.081635	0.6	0.218624	0.255318	5.1	0.501892	-0.002895
-8.3	-0.481879	-0.025964	-3.8	-0.502266	-0.084916	0.7	0.243542	0.242981	5.2	0.501614	-0.002661
-8.2	-0.484770	-0.031729	-3.7	-0.510847	-0.086393	0.8	0.267208	0.230284	5.3	0.501360	-0.002420
-8.1	-0.488198	-0.036702	-3.6	-0.519481	-0.085985	0.9	0.289591	0.217343	5.4	0.501130	0.002180
-8.0	-0.492078	-0.040725	-3.5	-0.527974	-0.083561	1.0	0.310672	0.204272	5.5	0.500924	-0.001944
-7.9	-0.496307	-0.043666	-3.4	-0.536126	-0.079146	1.1	0.330444	0.191175	5.6	0.500741	-0.001715
-7.8	-0.500772	-0.045422	-3.3	-0.543736	-0.072713	1.2	0.348910	0.178152	5.7	0.500580	-0.001498
-7.7	-0.505350	-0.045920	-3.2	-0.550603	-0.064290	1.3	0.366080	0.165294	5.8	0.500441	-0.001295
-7.6	-0.509913	-0.045125	-3.1	-0.556530	-0.053936	1.4	0.381977	0.152681	5.9	0.500321	-0.001105
-7.5	-0.514331	-0.043033	-3.0	-0.561328	-0.041740	1.5	0.396627	0.140388	6.0	0.500219	-0.000931
-7.4	-0.518477	-0.039678	-2.9	-0.564820	-0.027817	1.6	0.410067	0.128479	6.1	0.500134	-0.000773
-7.3	-0.522227	-0.035129	-2.8	-0.566839	-0.012311	1.7	0.422338	0.117010	6.2	0.500064	-0.000631
-7.2	-0.525466	-0.029487	-2.7	-0.567235	0.004615	1.8	0.433485	0.106028	6.3	0.500008	-0.000505
-7.1	-0.528092	-0.022804	-2.6	-0.565875	0.022775	1.9	0.443561	0.095570	6.4	0.499963	-0.000394
-7.0	-0.530017	-0.015481	-2.5	-0.562645	0.041969	2.0	0.452618	0.085667	6.5	0.499928	-0.000297
-6.9	-0.531168	-0.007459	-2.4	-0.557454	0.061984	2.1	0.460713	0.076340	6.6	0.499903	-0.000214
-6.8	-0.531494	0.000981	-2.3	-0.550229	0.082596	2.2	0.467906	0.067604	6.7	0.499885	-0.000143
-6.7	-0.530965	0.009623	-2.2	-0.540922	0.103577	2.3	0.474254	0.059466	6.8	0.499874	-0.000085
-6.6	-0.529570	0.018248	-2.1	-0.529509	0.124698	2.4	0.479819	0.051927	6.9	0.499868	-0.000036
-6.5	-0.527324	0.026624	-2.0	-0.515986	0.145730	2.5	0.484659	0.044982	7.0	0.499866	0.000003
-6.4	-0.524261	0.034537	-1.9	-0.500373	0.166450	2.6	0.488835	0.038620	7.1	0.499868	0.000034
-6.3	-0.520439	0.041773	-1.8	-0.482713	0.186642	2.7	0.492402	0.032828	7.2	0.499873	0.000057
-6.2	-0.515938	0.048134	-1.7	-0.463069	0.206103	2.8	0.495418	0.027586	7.3	0.499879	0.000074
-6.1	-0.510847	0.053442	-1.6	-0.441523	0.224642	2.9	0.497937	0.022872	7.4	0.499888	0.000086
-6.0	-0.505288	0.057542	-1.5	-0.418177	0.242085	3.0	0.500010	0.018662	7.5	0.499897	0.000094
-5.9	-0.499384	0.060308	-1.4	-0.393148	0.258276	3.1	0.501685	0.014928	7.6	0.499906	0.000097
-5.8	-0.493274	0.061645	-1.3	-0.366568	0.273078	3.2	0.503010	0.011642	7.7	0.499916	0.000098
-5.7	-0.487104	0.061490	-1.2	-0.338583	0.286370	3.3	0.504028	0.008775	7.8	0.499926	0.000096
-5.6	-0.481026	0.059815	-1.1	-0.309348	0.298062	3.4	0.504778	0.006294	7.9	0.499935	0.000092
-5.5	-0.475192	0.056631	-1.0	-0.279027	0.308079	3.5	0.505299	0.004171	8.0	0.499944	0.000086

Table 29

P = 5 Q = 2 ALPHA = 2.0

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.501401	0.006262	-5.5	-0.488880	0.014346	-1.0	-0.238702	0.243154	3.5	0.492379	0.020354
-9.9	-0.500742	0.006886	-5.4	-0.487542	0.012344	-0.9	-0.214055	0.249629	3.6	0.494265	0.017418
-9.8	-0.500031	0.007307	-5.3	-0.486424	0.009985	-0.8	-0.188810	0.255106	3.7	0.495872	0.014774
-9.7	-0.499288	0.007507	-5.2	-0.485560	0.007255	-0.7	-0.163068	0.259559	3.8	0.497229	0.012407
-9.6	-0.498538	0.007469	-5.1	-0.484982	0.004272	-0.6	-0.136933	0.262971	3.9	0.498362	0.010299
-9.5	-0.497803	0.007189	-5.0	-0.484713	0.001082	-0.5	-0.110509	0.265336	4.0	0.499297	0.008433
-9.4	-0.497108	0.006667	-4.9	-0.484770	-0.002238	-0.4	-0.083901	0.266659	4.1	0.500056	0.006791
-9.3	-0.496477	0.005912	-4.8	-0.485162	-0.005607	-0.3	-0.057211	0.266953	4.2	0.500662	0.005357
-9.2	-0.495933	0.004938	-4.7	-0.485890	-0.008937	-0.2	-0.030544	0.266241	4.3	0.501134	0.004114
-9.1	-0.495496	0.003770	-4.6	-0.486945	-0.012136	-0.1	-0.003986	0.264554	4.4	0.501490	0.003044
-9.0	-0.495184	0.002437	-4.5	-0.488310	-0.015110	0.	0.022338	0.261931	4.5	0.501748	0.002133
-8.9	-0.495013	0.000975	-4.4	-0.489956	-0.017763	0.1	0.048361	0.258418	4.6	0.501922	0.001363
-8.8	-0.494992	-0.000575	-4.3	-0.491848	-0.020002	0.2	0.073992	0.254066	4.7	0.502025	0.000722
-8.7	-0.495129	-0.002169	-4.2	-0.493940	-0.021737	0.3	0.099148	0.248934	4.8	0.502070	0.000195
-8.6	-0.495426	-0.003761	-4.1	-0.496176	-0.022880	0.4	0.123754	0.243082	4.9	0.502067	-0.000232
-8.5	-0.495879	-0.005300	-4.0	-0.498494	-0.023352	0.5	0.147742	0.236576	5.0	0.502026	-0.000570
-8.4	-0.496483	-0.006739	-3.9	-0.500822	-0.023080	0.6	0.171050	0.229485	5.1	0.501956	-0.000830
-8.3	-0.497222	-0.008032	-3.8	-0.503083	-0.022002	0.7	0.193622	0.221876	5.2	0.501862	-0.001024
-8.2	-0.498082	-0.009133	-3.7	-0.505193	-0.020063	0.8	0.215410	0.213822	5.3	0.501753	-0.001160
-8.1	-0.499041	-0.010004	-3.6	-0.507065	-0.017223	0.9	0.236374	0.205393	5.4	0.501632	-0.001248
-8.0	-0.500074	-0.010610	-3.5	-0.508607	-0.013453	1.0	0.256479	0.196659	5.5	0.501505	-0.001295
-7.9	-0.501154	-0.010923	-3.4	-0.509724	-0.008734	1.1	0.275690	0.187689	5.6	0.501374	-0.001308
-7.8	-0.502249	-0.010924	-3.3	-0.510322	-0.003065	1.2	0.294011	0.178550	5.7	0.501244	-0.001294
-7.7	-0.503328	-0.010600	-3.2	-0.510306	0.003546	1.3	0.311404	0.169307	5.8	0.501118	-0.001258
-7.6	-0.504358	-0.009948	-3.1	-0.509582	0.011076	1.4	0.327871	0.160020	5.9	0.500993	-0.001206
-7.5	-0.505306	-0.008975	-3.0	-0.508061	0.019487	1.5	0.343409	0.150749	6.0	0.500875	-0.001141
-7.4	-0.506142	-0.007695	-2.9	-0.505657	0.028734	1.6	0.358023	0.141548	6.1	0.500765	-0.001067
-7.3	-0.506836	-0.006133	-2.8	-0.502289	0.038753	1.7	0.371723	0.132465	6.2	0.500662	-0.000988
-7.2	-0.507361	-0.004322	-2.7	-0.497883	0.049475	1.8	0.384522	0.123548	6.3	0.500568	-0.000905
-7.1	-0.507693	-0.002301	-2.6	-0.492373	0.060818	1.9	0.396439	0.114838	6.4	0.500481	-0.000821
-7.0	-0.507816	-0.000119	-2.5	-0.485701	0.072693	2.0	0.407497	0.106370	6.5	0.500403	-0.000739
-6.9	-0.507714	0.002172	-2.4	-0.477820	0.085002	2.1	0.417722	0.098178	6.6	0.500333	-0.000658
-6.8	-0.507379	0.004514	-2.3	-0.468690	0.097642	2.2	0.427143	0.090288	6.7	0.500272	-0.000581
-6.7	-0.506811	0.006845	-2.2	-0.458284	0.110505	2.3	0.435791	0.082725	6.8	0.500217	-0.000508
-6.6	-0.506013	0.009104	-2.1	-0.446585	0.123480	2.4	0.443699	0.075505	6.9	0.500170	-0.000440
-6.5	-0.504995	0.011228	-2.0	-0.433588	0.136455	2.5	0.450904	0.068644	7.0	0.500129	-0.000377
-6.4	-0.503774	0.013155	-1.9	-0.419298	0.149318	2.6	0.457441	0.062152	7.1	0.500094	-0.000320
-6.3	-0.502372	0.014829	-1.8	-0.403732	0.161956	2.7	0.463347	0.056035	7.2	0.500065	-0.000267
-6.2	-0.500818	0.016195	-1.7	-0.386918	0.174261	2.8	0.468660	0.050297	7.3	0.500040	-0.000221
-6.1	-0.499145	0.017208	-1.6	-0.368894	0.186130	2.9	0.473419	0.044936	7.4	0.500021	-0.000179
-6.0	-0.497390	0.017829	-1.5	-0.349710	0.197464	3.0	0.477660	0.039950	7.5	0.500005	-0.000142
-5.9	-0.495593	0.018027	-1.4	-0.329422	0.208170	3.1	0.481421	0.035333	7.6	0.499992	-0.000111
-5.8	-0.493799	0.017782	-1.3	-0.308099	0.218164	3.2	0.484739	0.031076	7.7	0.499982	-0.000083
-5.7	-0.492052	0.017084	-1.2	-0.285816	0.227389	3.3	0.487648	0.027169	7.8	0.499975	-0.000060
-5.6	-0.490397	0.015934	-1.1	-0.262654	0.235718	3.4	0.490184	0.023600	7.9	0.499970	-0.000040
-5.5	-0.488880	0.014346	-1.0	-0.238702	0.243154	3.5	0.492379	0.020354	8.0	0.499967	-0.000024

Table 30

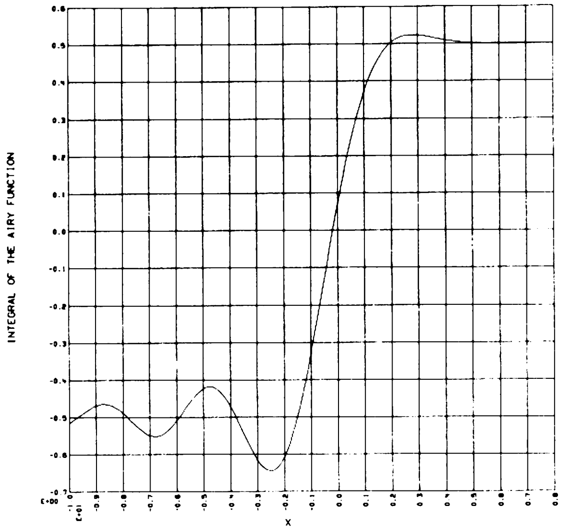
P = 5 Q = 2 ALPHA = 3.0

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.499941	0.001448	-5.5	-0.494592	0.003899	-1.0	-0.208727	0.205446	3.5	0.475487	0.034396
-9.9	-0.499794	0.001488	-5.4	-0.494232	0.003298	-0.9	-0.187938	0.210270	3.6	0.478752	0.030939
-9.8	-0.499645	0.001479	-5.3	-0.493934	0.002654	-0.8	-0.166693	0.214476	3.7	0.481683	0.027726
-9.7	-0.499499	0.001421	-5.2	-0.493702	0.001992	-0.7	-0.145062	0.218042	3.8	0.484305	0.024751
-9.6	-0.499362	0.001312	-5.1	-0.493535	0.001341	-0.6	-0.123107	0.220950	3.9	0.486641	0.0220050
-9.5	-0.499239	0.001154	-5.0	-0.493432	0.000732	-0.5	-0.100894	0.223188	4.0	0.488713	0.019480
-9.4	-0.499133	0.000949	-4.9	-0.493386	0.000200	-0.4	-0.078492	0.224749	4.1	0.490544	0.017166
-9.3	-0.499050	0.000701	-4.8	-0.493388	-0.000218	-0.3	-0.055967	0.225633	4.2	0.492153	0.015055
-9.2	-0.498994	0.000417	-4.7	-0.493425	-0.000486	-0.2	-0.033388	0.225844	4.3	0.493561	0.013135
-9.1	-0.498968	0.000104	-4.6	-0.493479	-0.000563	-0.1	-0.010821	0.225391	4.4	0.494786	0.011397
-9.0	-0.498974	-0.000229	-4.5	-0.493530	-0.000410	0.	0.011669	0.224289	4.5	0.495846	0.009828
-8.9	-0.499014	-0.000573	-4.4	-0.493552	0.000010	0.1	0.034016	0.222556	4.6	0.496757	0.008420
-8.8	-0.499089	-0.000918	-4.3	-0.493517	0.000737	0.2	0.056160	0.220216	4.7	0.497535	0.007161
-8.7	-0.499197	-0.001251	-4.2	-0.493393	0.001806	0.3	0.078040	0.217298	4.8	0.498194	0.006040
-8.6	-0.499338	-0.001562	-4.1	-0.493144	0.003251	0.4	0.099601	0.213825	4.9	0.498747	0.005047
-8.5	-0.499509	-0.001839	-4.0	-0.492730	0.005103	0.5	0.120788	0.209839	5.0	0.499207	0.004172
-8.4	-0.499705	-0.002073	-3.9	-0.492109	0.007388	0.6	0.141552	0.205373	5.1	0.499585	0.003405
-8.3	-0.499921	-0.002252	-3.8	-0.491237	0.010131	0.7	0.161848	0.200465	5.2	0.499892	0.002737
-8.2	-0.500153	-0.002369	-3.7	-0.490066	0.013349	0.8	0.181632	0.195157	5.3	0.500136	0.002158
-8.1	-0.500393	-0.002416	-3.6	-0.488551	0.017056	0.9	0.200867	0.189489	5.4	0.500326	0.001661
-8.0	-0.500634	-0.002387	-3.5	-0.486639	0.021259	1.0	0.219519	0.183503	5.5	0.500470	0.001237
-7.9	-0.500867	-0.002278	-3.4	-0.484282	0.025961	1.1	0.237559	0.177244	5.6	0.500576	0.000878
-7.8	-0.501086	-0.002088	-3.3	-0.481430	0.031159	1.2	0.254960	0.170753	5.7	0.500648	0.000578
-7.7	-0.501282	-0.001817	-3.2	-0.478034	0.036842	1.3	0.271703	0.164073	5.8	0.500693	0.000329
-7.6	-0.501447	-0.001469	-3.1	-0.474046	0.042995	1.4	0.287770	0.157246	5.9	0.500715	0.000125
-7.5	-0.501574	-0.001047	-3.0	-0.469420	0.049595	1.5	0.303149	0.150314	6.0	0.500719	-0.000039
-7.4	-0.501655	-0.000561	-2.9	-0.464113	0.056617	1.6	0.317830	0.143314	6.1	0.500709	-0.000168
-7.3	-0.501684	-0.000019	-2.8	-0.458084	0.064025	1.7	0.331811	0.136286	6.2	0.500687	-0.000267
-7.2	-0.501657	0.000567	-2.7	-0.451298	0.071783	1.8	0.345088	0.129265	6.3	0.500656	-0.000341
-7.1	-0.501570	0.001184	-2.6	-0.443717	0.079847	1.9	0.357665	0.122285	6.4	0.500619	-0.000393
-7.0	-0.501420	0.001818	-2.5	-0.435318	0.088169	2.0	0.369547	0.115378	6.5	0.500578	-0.000427
-6.9	-0.501206	0.002449	-2.4	-0.426076	0.096699	2.1	0.380744	0.108573	6.6	0.500534	-0.000445
-6.8	-0.500930	0.003067	-2.3	-0.415973	0.105382	2.2	0.391266	0.101897	6.7	0.500489	-0.000452
-6.7	-0.500594	0.003651	-2.2	-0.404997	0.114160	2.3	0.401129	0.095375	6.8	0.500444	-0.000448
-6.6	-0.500202	0.004187	-2.1	-0.393140	0.122973	2.4	0.410347	0.089026	6.9	0.500400	-0.000438
-6.5	-0.499759	0.004659	-2.0	-0.380403	0.131763	2.5	0.418940	0.082872	7.0	0.500357	-0.000419
-6.4	-0.499273	0.005053	-1.9	-0.366791	0.140468	2.6	0.426929	0.076928	7.1	0.500317	-0.000397
-6.3	-0.498751	0.005356	-1.8	-0.352314	0.149026	2.7	0.434333	0.071207	7.2	0.500278	-0.000372
-6.2	-0.498205	0.005557	-1.7	-0.336992	0.157378	2.8	0.441178	0.065722	7.3	0.500242	0.000344
-6.1	-0.497644	0.005650	-1.6	-0.320849	0.165464	2.9	0.447486	0.060482	7.4	0.500209	-0.000316
-6.0	-0.497079	0.005629	-1.5	-0.303910	0.173229	3.0	0.453283	0.055492	7.5	0.500179	-0.000288
-5.9	-0.496522	0.005493	-1.4	-0.286214	0.180616	3.1	0.458593	0.050758	7.6	0.500152	-0.000259
-5.8	-0.495984	0.005244	-1.3	-0.267801	0.187577	3.2	0.463443	0.046282	7.7	0.500127	-0.000232
-5.7	-0.495477	0.004888	-1.2	-0.248715	0.194063	3.3	0.467858	0.042064	7.8	0.500105	-0.000205
-5.6	-0.495010	0.004435	-1.1	-0.229005	0.200032	3.4	0.471864	0.038103	7.9	0.500086	-0.000180
-5.5	-0.494592	0.003899	-1.0	-0.208727	0.205446	3.5	0.475487	0.034396	8.0	0.500069	-0.000157

Table 31

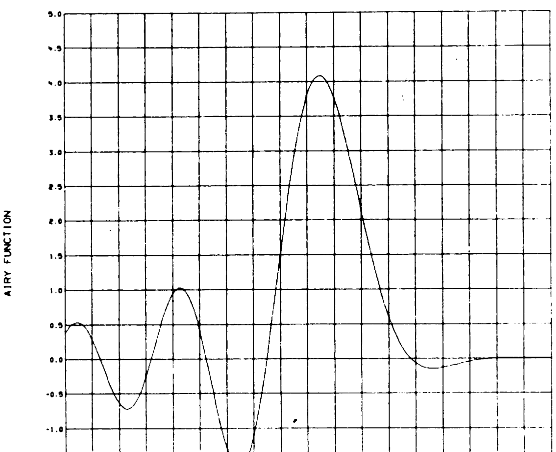
P = 5 Q = 2 ALPHA = 4.0

X	A11(X)	A1(X)	X	A11(X)	A1(X)	X	A11(X)	A1(X)	X	A11(X)	A1(X)
-10.0	-0.499896	0.000277	-5.5	-0.495267	0.004081	-1.0	-0.186537	0.181242	3.5	0.457239	0.045293
-9.9	-0.499869	0.000259	-5.4	-0.494845	0.004356	-0.9	-0.168227	0.184874	3.6	0.461508	0.041718
-9.8	-0.499845	0.000232	-5.3	-0.494393	0.004697	-0.8	-0.149576	0.188088	3.7	0.465509	0.038330
-9.7	-0.499823	0.000195	-5.2	-0.493903	0.005118	-0.7	-0.130624	0.190868	3.8	0.469260	0.035129
-9.6	-0.499806	0.000150	-5.1	-0.493366	0.005635	-0.6	-0.111417	0.193199	3.9	0.472621	0.032112
-9.5	-0.499793	0.000097	-5.0	-0.492772	0.006266	-0.5	-0.092000	0.195072	4.0	0.475689	0.029277
-9.4	-0.499787	0.000038	-4.9	-0.492109	0.007026	-0.4	-0.072418	0.196479	4.1	0.478482	0.026621
-9.3	-0.499786	-0.000025	-4.8	-0.491362	0.007935	-0.3	-0.052720	0.197415	4.2	0.481019	0.024139
-9.2	-0.499792	-0.000091	-4.7	-0.490516	0.009011	-0.2	-0.032951	0.197879	4.3	0.483316	0.021827
-9.1	-0.499804	0.000156	-4.6	-0.489554	0.010269	-0.1	-0.013159	0.197874	4.4	0.485390	0.019678
-9.0	-0.499823	-0.000219	-4.5	-0.488456	0.011729	0.	0.006608	0.197405	4.5	0.487257	0.017688
-8.9	-0.499848	-0.000277	-4.4	-0.487201	0.013406	0.1	0.026308	0.196479	4.6	0.488932	0.015849
-8.8	-0.499878	-0.000327	-4.3	-0.485767	0.015316	0.2	0.045889	0.195107	4.7	0.490431	0.014156
-8.7	-0.499913	-0.000367	-4.2	-0.484129	0.017474	0.3	0.065313	0.193303	4.8	0.491768	0.012601
-8.6	-0.499951	0.000394	-4.1	-0.482263	0.019891	0.4	0.084536	0.191083	4.9	0.492956	0.011177
-8.5	-0.499991	-0.000406	-4.0	-0.480142	0.022580	0.5	0.103517	0.188465	5.0	0.494008	0.009877
-8.4	-0.500031	-0.000401	-3.9	-0.477738	0.025549	0.6	0.122217	0.185468	5.1	0.494935	0.008695
-8.3	-0.500071	0.000378	-3.8	-0.475023	0.028804	0.7	0.140589	0.182115	5.2	0.495750	0.007623
-8.2	-0.500106	-0.000334	-3.7	-0.471967	0.032350	0.8	0.158628	0.178430	5.3	0.496463	0.006654
-8.1	-0.500137	-0.000270	-3.6	-0.468543	0.036188	0.9	0.176274	0.174437	5.4	0.497084	0.005781
-8.0	-0.500160	-0.000184	-3.5	-0.464720	0.040318	1.0	0.193506	0.170163	5.5	0.497623	0.004997
-7.9	-0.500173	-0.000077	-3.4	-0.460470	0.044734	1.1	0.210298	0.165633	5.6	0.498087	0.004297
-7.8	-0.500174	0.000051	-3.3	-0.455754	0.049430	1.2	0.226626	0.160877	5.7	0.498484	0.003672
-7.7	-0.500162	0.000197	-3.2	-0.450575	0.054395	1.3	0.242467	0.155922	5.8	0.498823	0.003118
-7.6	-0.500134	0.000362	-3.1	-0.444876	0.059617	1.4	0.257804	0.150795	5.9	0.499110	0.002628
-7.5	-0.500089	0.000541	-3.0	-0.438644	0.065079	1.5	0.272621	0.145524	6.0	0.499351	0.002197
-7.4	-0.500025	0.000734	-2.9	-0.431853	0.070762	1.6	0.286905	0.140138	6.1	0.499551	0.001820
-7.3	-0.499942	0.000937	-2.8	-0.424484	0.076644	1.7	0.300646	0.134664	6.2	0.499717	0.001491
-7.2	-0.499838	0.001146	-2.7	-0.416519	0.082702	1.8	0.313838	0.129127	6.3	0.499851	0.001206
-7.1	-0.499713	0.001359	-2.6	-0.407939	0.088907	1.9	0.326470	0.123553	6.4	0.499959	0.000961
-7.0	-0.499566	0.001572	-2.5	-0.398733	0.095231	2.0	0.338546	0.117967	6.5	0.500044	0.000750
-6.9	-0.499398	0.001782	-2.4	-0.388890	0.101643	2.1	0.350064	0.112393	6.6	0.500110	0.000571
-6.8	-0.499210	0.001986	-2.3	-0.378403	0.108110	2.2	0.361026	0.106852	6.7	0.500160	0.000420
-6.7	-0.499001	0.002181	-2.2	-0.367267	0.114598	2.3	0.371438	0.101366	6.8	0.500195	0.000294
-6.6	-0.498774	0.002366	-2.1	-0.355483	0.121072	2.4	0.381302	0.095954	6.9	0.500219	0.000189
-6.5	-0.498529	0.002539	-2.0	-0.343054	0.127496	2.5	0.390630	0.090633	7.0	0.500234	0.000104
-6.4	-0.498267	0.002699	-1.9	-0.329987	0.133834	2.6	0.399432	0.085421	7.1	0.500240	0.000034
-6.3	-0.497989	0.002848	-1.8	-0.316292	0.140049	2.7	0.407718	0.080331	7.2	0.500241	-0.000021
-6.2	-0.497697	0.002987	-1.7	-0.301983	0.146105	2.8	0.415503	0.075378	7.3	0.500237	-0.000063
-6.1	-0.497392	0.003118	-1.6	-0.287077	0.151967	2.9	0.422799	0.070572	7.4	0.500229	0.000096
-6.0	-0.497074	0.003246	-1.5	-0.271597	0.157601	3.0	0.429622	0.065941	7.5	0.500218	-0.000119
-5.9	-0.496743	0.003376	-1.4	-0.255586	0.162972	3.1	0.435989	0.061442	7.6	0.500205	-0.000135
-5.8	-0.496399	0.003515	-1.3	-0.239012	0.168051	3.2	0.441917	0.057133	7.7	0.500191	-0.000145
-5.7	-0.496039	0.003673	-1.2	-0.221966	0.172807	3.3	0.447422	0.053003	7.8	0.500176	-0.000150
-5.6	-0.495663	0.003858	-1.1	-0.204462	0.177212	3.4	0.452523	0.049056	7.9	0.500161	0.000151
-5.5	-0.495267	0.004081	-1.0	-0.186537	0.181242	3.5	0.457239	0.045293	8.0	0.500146	-0.000149



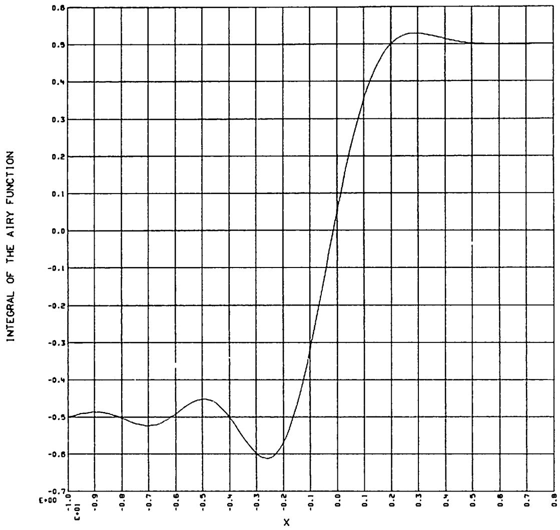
P = 5 Q = 4 ALPHA = 0.5

Figure 62



P = 5 Q = 4 ALPHA = 0.5

Figure 63



P = 5 Q = 4 ALPHA = 1.0

Figure 64

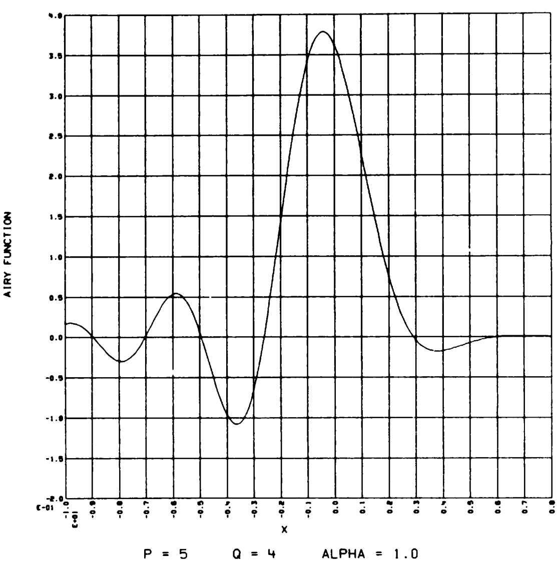
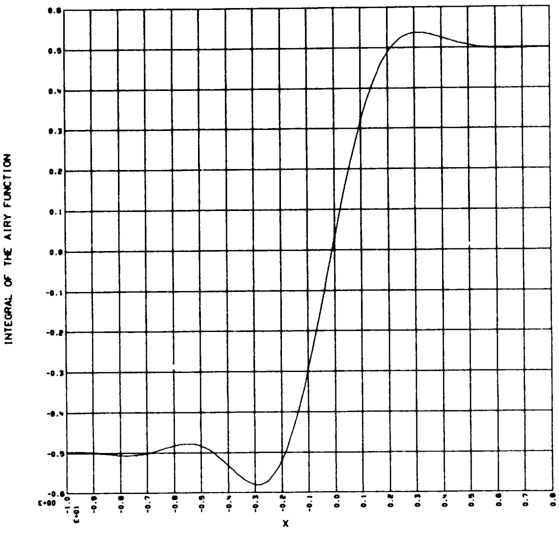
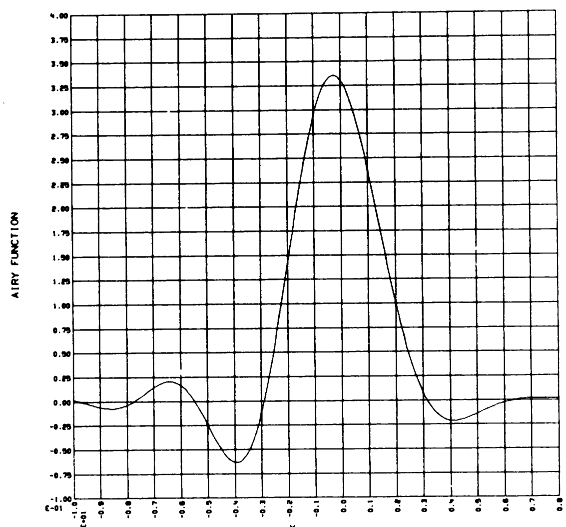


Figure 65



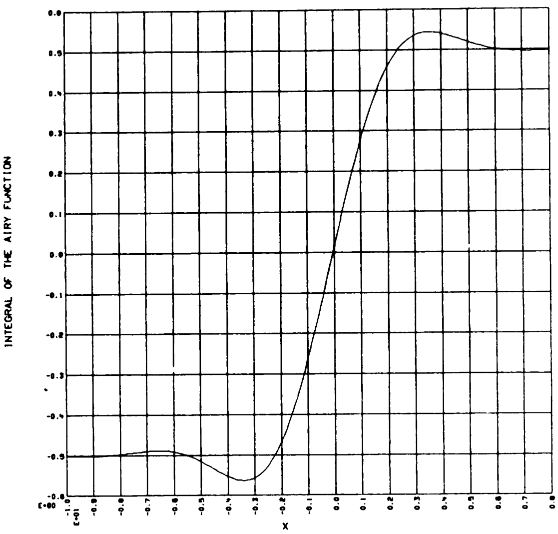
P = 5 Q = 4 ALPHA = 2.0

Figure 66



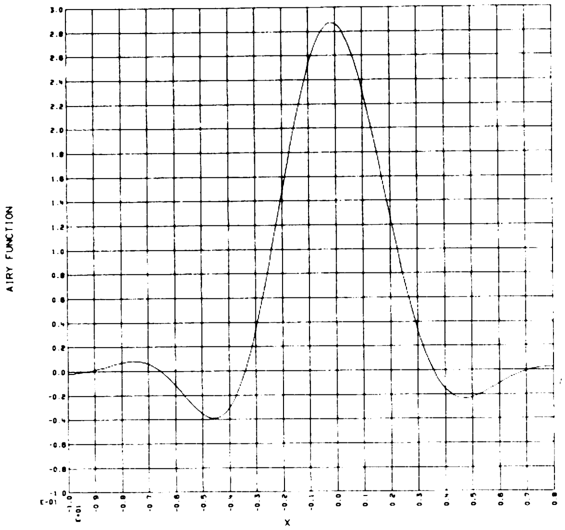
P = 5 Q = 4 ALPHA = 2.0

Figure 67



P = 5 Q = 4 ALPHA = 4.0

Figure 68



P = 5   Q = 4   ALPHA = 4.0

Figure 69

Table 32

P = 5   Q = 4   ALPHA = 0.5

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.515296	0.038306	-5.5	-0.459669	0.096266	-1.0	-0.326262	0.379742	3.5	0.516583	0.014354
-9.9	-0.511174	0.043930	-5.4	-0.450384	0.089422	-0.9	-0.287718	0.390698	3.6	0.515132	-0.014819
-9.8	-0.506550	0.048334	-5.3	-0.441862	0.080242	-0.8	-0.248210	0.399022	3.7	0.513669	-0.014594
-9.7	-0.501554	0.051350	-5.2	-0.434389	0.068876	-0.7	-0.208002	0.404711	3.8	0.512221	-0.014326
-9.6	-0.496331	0.052849	-5.1	-0.428153	0.055527	-0.6	-0.167355	0.407797	3.9	0.510811	-0.013858
-9.5	-0.491038	0.052747	-5.0	-0.423341	0.040444	-0.5	-0.126527	0.408339	4.0	0.509455	-0.013230
-9.4	-0.485836	0.051007	-4.9	-0.420112	0.023917	-0.4	-0.085769	0.406426	4.1	0.508169	-0.012477
-9.3	-0.480891	0.047640	-4.8	-0.418595	0.006275	-0.3	-0.045320	0.402174	4.2	0.506963	-0.011634
-9.2	-0.476380	0.042709	-4.7	-0.418883	-0.012130	-0.2	-0.005408	0.395718	4.3	0.505844	-0.010728
-9.1	-0.472397	0.036324	-4.6	-0.421034	-0.030918	-0.1	0.033755	0.387216	4.4	0.504818	-0.009786
-9.0	-0.469139	0.028640	-4.5	-0.425066	-0.049701	0.	0.071973	0.376839	4.5	0.503887	-0.008831
-8.9	-0.466706	0.019901	-4.4	-0.430960	-0.068082	0.1	0.109067	0.364774	4.6	0.503052	-0.007880
-8.8	-0.465197	0.010202	-4.3	-0.438656	-0.085669	0.2	0.144878	0.351215	4.7	0.502311	-0.006951
-8.7	-0.464686	-0.000053	-4.2	-0.448055	-0.102078	0.3	0.179267	0.336363	4.8	0.501660	-0.006056
-8.6	-0.465218	-0.010624	-4.1	-0.459020	-0.116944	0.4	0.212114	0.320424	4.9	0.501098	-0.005206
-8.5	-0.466811	-0.021210	-4.0	-0.471381	-0.129929	0.5	0.243322	0.303801	5.0	0.500618	-0.004408
-8.4	-0.469450	-0.031502	-3.9	-0.484933	-0.140722	0.6	0.272812	0.286096	5.1	0.500214	-0.003668
-8.3	-0.473091	-0.041197	-3.8	-0.499443	-0.149054	0.7	0.300525	0.268108	5.2	0.499882	-0.002990
-8.2	-0.477880	-0.050000	-3.7	-0.514654	-0.154696	0.8	0.326424	0.249825	5.3	0.499614	-0.002376
-8.1	-0.483052	-0.057637	-3.6	-0.530287	-0.157464	0.9	0.350486	0.231427	5.4	0.499405	-0.001827
-8.0	-0.489140	-0.063882	-3.5	-0.546047	-0.157226	1.0	0.372711	0.213083	5.5	0.499247	-0.001341
-7.9	-0.495771	-0.068485	-3.4	-0.561629	-0.153899	1.1	0.393110	0.194950	5.6	0.499134	-0.000917
-7.8	-0.502773	-0.071275	-3.3	-0.576723	-0.147453	1.2	0.411713	0.177170	5.7	0.499061	-0.000552
-7.7	-0.509982	-0.072168	-3.2	-0.591016	-0.137909	1.3	0.428580	0.159871	5.8	0.499022	-0.000244
-7.6	-0.517141	-0.071073	-3.1	-0.604204	-0.125339	1.4	0.443706	0.143165	5.9	0.499011	0.000013
-7.5	-0.524109	-0.067969	-3.0	-0.615987	-0.109866	1.5	0.457216	0.127150	6.0	0.499023	0.000222
-7.4	-0.530669	-0.062891	-2.9	-0.626085	-0.091655	1.6	0.469162	0.111907	6.1	0.499054	0.000387
-7.3	-0.536625	-0.055926	-2.8	-0.634234	-0.070917	1.7	0.479825	0.097503	6.2	0.499099	0.000514
-7.2	-0.541796	-0.047215	-2.7	-0.640193	-0.047899	1.8	0.488602	0.083989	6.3	0.499155	0.000605
-7.1	-0.546016	-0.036946	-2.6	-0.643747	-0.022882	1.9	0.498454	0.071401	6.4	0.499219	0.000667
-7.0	-0.549141	-0.025353	-2.5	-0.644713	0.003826	2.0	0.503004	0.059764	6.5	0.499288	0.000703
-6.9	-0.551051	-0.012708	-2.4	-0.642937	0.031895	2.1	0.508439	0.049089	6.6	0.499359	0.000716
-6.8	-0.551657	0.000685	-2.3	-0.638300	0.060978	2.2	0.512854	0.039372	6.7	0.499431	0.000712
-6.7	-0.550900	0.014498	-2.2	-0.630719	0.090720	2.3	0.516345	0.030605	6.8	0.499501	0.000693
-6.6	-0.548755	0.028381	-2.1	-0.620146	0.120759	2.4	0.519006	0.022765	6.9	0.499569	0.000662
-6.5	-0.545233	0.041987	-2.0	-0.606569	0.150739	2.5	0.520928	0.015822	7.0	0.499633	0.000622
-6.4	-0.540379	0.054981	-1.9	-0.590012	0.180307	2.6	0.522199	0.009741	7.1	0.499693	0.000577
-6.3	-0.534273	0.066981	-1.8	-0.570533	0.209127	2.7	0.522903	0.004478	7.2	0.499748	0.000527
-6.2	-0.527030	0.077664	-1.7	-0.548222	0.236877	2.8	0.523120	-0.000013	7.3	0.499798	0.000475
-6.1	-0.518794	0.086771	-1.6	-0.523203	0.263260	2.9	0.522925	-0.003784	7.4	0.499843	0.000422
-6.0	-0.509738	0.094018	-1.5	-0.495625	0.288002	3.0	0.522388	-0.006888	7.5	0.499883	0.000369
-5.9	-0.500060	0.099184	-1.4	-0.465665	0.310862	3.1	0.521568	-0.009381	7.6	0.499917	0.000319
-5.8	-0.489977	0.102091	-1.3	-0.433523	0.331626	3.2	0.520528	-0.011318	7.7	0.499947	0.000271
-5.7	-0.479721	0.102612	-1.2	-0.399416	0.350116	3.3	0.519321	-0.012757	7.8	0.499971	0.000226
-5.6	-0.469536	0.100676	-1.1	-0.363580	0.366191	3.4	0.517992	-0.013751	7.9	0.499992	0.000185
-5.5	-0.459669	0.096266	-1.0	-0.326262	0.379742	3.5	0.516583	-0.014354	8.0	0.500008	0.000147

Table 33

P = 5   Q = 4   ALPHA = 1.0

X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)
-10.0	-0.500388	0.018471	-5.5	-0.466393	0.044764	-1.0	-0.317068	0.341830	3.5	0.522980	-0.016359
-9.9	-0.498674	0.017306	-5.4	-0.462185	0.039185	-0.9	-0.282298	0.353228	3.6	0.521298	-0.017229
-9.8	-0.496922	0.017849	-5.3	-0.458588	0.032383	-0.8	-0.246491	0.362558	3.7	0.519548	-0.017707
-9.7	-0.495162	0.017463	-5.2	-0.455748	0.024449	-0.7	-0.209857	0.369774	3.8	0.517768	-0.017843
-9.6	-0.493447	0.016729	-5.1	-0.453740	0.015502	-0.6	-0.172608	0.374853	3.9	0.515989	-0.017683
-9.5	-0.491834	0.015443	-5.0	-0.452674	0.005687	-0.5	-0.134857	0.377798	4.0	0.514238	-0.017273
-9.4	-0.490377	0.013815	-4.9	-0.452626	-0.004831	-0.4	-0.097118	0.378637	4.1	0.512541	-0.016655
-9.3	-0.489120	0.011275	-4.8	-0.453657	-0.015861	-0.3	-0.059298	0.377419	4.2	0.510914	-0.015870
-9.2	-0.488130	0.008486	-4.7	-0.455809	-0.027188	-0.2	-0.021701	0.374214	4.3	0.509372	-0.014953
-9.1	-0.487449	0.005249	-4.6	-0.459108	-0.038623	-0.1	0.015401	0.369114	4.4	0.507927	-0.013938
-9.0	-0.487099	0.001899	-4.5	-0.463528	-0.049906	0.	0.052063	0.362225	4.5	0.506586	-0.012856
-8.9	-0.487117	-0.002096	-4.4	-0.469069	-0.060813	0.1	0.087871	0.353671	4.6	0.505357	-0.011734
-8.8	-0.487523	-0.006038	-4.3	-0.475671	-0.071109	0.2	0.122746	0.343588	4.7	0.504240	-0.010596
-8.7	-0.488326	-0.010021	-4.2	-0.483282	-0.080558	0.3	0.156642	0.332122	4.8	0.503237	-0.009462
-8.6	-0.489525	-0.013930	-4.1	-0.491747	-0.088941	0.4	0.189129	0.319428	4.9	0.502347	-0.008351
-8.5	-0.491108	-0.017651	-4.0	-0.501008	-0.096038	0.5	0.220382	0.305667	5.0	0.501566	-0.007277
-8.4	-0.493045	-0.021070	-3.9	-0.510906	-0.101657	0.6	0.250233	0.291003	5.1	0.500890	-0.006252
-8.3	-0.495306	-0.024073	-3.8	-0.521284	-0.105617	0.7	0.278568	0.275602	5.2	0.500314	-0.005286
-8.2	-0.497842	-0.026558	-3.7	-0.531980	-0.107784	0.8	0.305334	0.259628	5.3	0.499831	-0.004386
-8.1	-0.500597	-0.028429	-3.6	-0.542772	-0.107988	0.9	0.330480	0.243242	5.4	0.499434	-0.003557
-8.0	-0.503505	-0.029604	-3.5	-0.553494	-0.106128	1.0	0.353974	0.226603	5.5	0.499117	-0.002802
-7.9	-0.506492	-0.030018	-3.4	-0.563927	-0.102173	1.1	0.375787	0.209860	5.6	0.498871	-0.002122
-7.8	-0.509481	-0.029621	-3.3	-0.573857	-0.096063	1.2	0.395947	0.193156	5.7	0.498690	-0.001517
-7.7	-0.512389	-0.028385	-3.2	-0.583067	-0.087782	1.3	0.414434	0.176625	5.8	0.498565	-0.000987
-7.6	-0.515130	-0.026302	-3.1	-0.591344	-0.077384	1.4	0.431282	0.160390	5.9	0.498490	-0.000527
-7.5	-0.517621	-0.023388	-3.0	-0.598475	-0.064997	1.5	0.446526	0.144561	6.0	0.498457	-0.000136
-7.4	-0.519781	-0.019675	-2.9	-0.604257	-0.050420	1.6	0.460211	0.129241	6.1	0.498461	0.000191
-7.3	-0.521532	-0.015228	-2.8	-0.608496	-0.034070	1.7	0.472384	0.114516	6.2	0.498494	0.000458
-7.2	-0.522804	-0.010128	-2.7	-0.611013	-0.015985	1.8	0.483137	0.100463	6.3	0.498551	0.000671
-7.1	-0.523538	-0.004468	-2.6	-0.611644	0.003635	1.9	0.492511	0.087143	6.4	0.498626	0.000834
-7.0	-0.523684	0.001625	-2.5	-0.610241	0.024625	2.0	0.500592	0.074607	6.5	0.498716	0.000953
-6.9	-0.523203	0.008018	-2.4	-0.606680	0.046780	2.1	0.507460	0.062895	6.6	0.498815	0.001032
-6.8	-0.522075	0.014585	-2.3	-0.600858	0.069812	2.2	0.513190	0.052032	6.7	0.498921	0.001077
-6.7	-0.520291	0.021106	-2.2	-0.592696	0.093538	2.3	0.517895	0.042035	6.8	0.499030	0.001093
-6.6	-0.517859	0.027479	-2.1	-0.582137	0.117687	2.4	0.521635	0.032908	6.9	0.499138	0.001084
-6.5	-0.514806	0.033515	-2.0	-0.569153	0.142002	2.5	0.524508	0.024647	7.0	0.499246	0.001056
-6.4	-0.511173	0.039052	-1.9	-0.553738	0.166220	2.6	0.526593	0.017240	7.1	0.499349	0.001009
-6.3	-0.507018	0.043928	-1.8	-0.535919	0.190110	2.7	0.527981	0.010665	7.2	0.499447	0.000951
-6.2	-0.502414	0.047985	-1.7	-0.515737	0.213399	2.8	0.528753	0.004894	7.3	0.499539	0.000884
-6.1	-0.497450	0.051114	-1.6	-0.493268	0.235859	2.9	0.528986	-0.000107	7.4	0.499624	0.000811
-6.0	-0.492227	0.053187	-1.5	-0.468601	0.257283	3.0	0.528756	-0.004377	7.5	0.499701	0.000733
-5.9	-0.486856	0.054052	-1.4	-0.441856	0.277404	3.1	0.528133	-0.007950	7.6	0.499771	0.000654
-5.8	-0.481458	0.053892	-1.3	-0.413168	0.296089	3.2	0.527186	-0.010890	7.7	0.499832	0.000576
-5.7	-0.476161	0.052036	-1.2	-0.382692	0.313150	3.3	0.525974	-0.013245	7.8	0.499886	0.000498
-5.6	-0.471095	0.049059	-1.1	-0.350598	0.328438	3.4	0.524555	-0.015048	7.9	0.499932	0.000426
-5.5	-0.466393	0.044764	-1.0	-0.317068	0.341830	3.5	0.522980	-0.016359	8.0	0.499971	0.000357

Table 34

P = 5   Q = 4   ALPHA = 2.0

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.497572	0.001343	-5.5	-0.478601	0.000526	-1.0	-0.295313	0.295324	3.5	0.534039	-0.013859
-9.9	-0.497467	0.000753	-5.4	-0.478770	-0.003979	-0.9	-0.265268	0.305354	3.6	0.532527	-0.016278
-9.8	-0.497424	0.000087	-5.3	-0.479408	-0.008818	-0.8	-0.234287	0.314028	3.7	0.530800	-0.018182
-9.7	-0.497452	-0.000844	-5.2	-0.480543	-0.013927	-0.7	-0.202510	0.321284	3.8	0.528907	-0.019612
-9.6	-0.497595	-0.001425	-5.1	-0.482200	-0.019233	-0.6	-0.170079	0.327078	3.9	0.526892	-0.020607
-9.5	-0.497738	-0.002239	-5.0	-0.484383	-0.024651	-0.5	-0.137144	0.331377	4.0	0.524798	-0.021208
-9.4	-0.498003	-0.003068	-4.9	-0.487131	-0.030094	-0.4	-0.103854	0.334164	4.1	0.522662	-0.021455
-9.3	-0.498351	-0.003889	-4.8	-0.490410	-0.035464	-0.3	-0.070382	0.335438	4.2	0.520518	-0.021389
-9.2	-0.498780	-0.004680	-4.7	-0.494218	-0.040661	-0.2	-0.036817	0.335210	4.3	0.518394	-0.021049
-9.1	-0.499285	-0.005419	-4.6	-0.498533	-0.045581	-0.1	-0.003389	0.333508	4.4	0.516318	-0.020473
-9.0	-0.499861	-0.006080	-4.5	-0.503321	-0.050117	0.	0.029837	0.330371	4.5	0.514306	-0.019699
-8.9	-0.500498	-0.006640	-4.4	-0.508540	-0.054161	0.1	0.062659	0.325850	4.6	0.512381	-0.018762
-8.8	-0.501185	-0.007074	-4.3	-0.514133	-0.057607	0.2	0.094983	0.320010	4.7	0.510558	-0.017694
-8.7	-0.501908	-0.007381	-4.2	-0.520038	-0.060353	0.3	0.126820	0.312924	4.8	0.508846	-0.016527
-8.6	-0.502652	-0.007482	-4.1	-0.526178	-0.062300	0.4	0.157509	0.304877	4.9	0.507254	-0.015289
-8.5	-0.503398	-0.007417	-4.0	-0.532468	-0.063355	0.5	0.187519	0.295360	5.0	0.505790	-0.014005
-8.4	-0.504129	-0.007154	-3.9	-0.538816	-0.063434	0.6	0.216549	0.285072	5.1	0.504454	-0.012700
-8.3	-0.504822	-0.006682	-3.8	-0.545120	-0.062460	0.7	0.244505	0.273818	5.2	0.503249	-0.011395
-8.2	-0.505458	-0.005995	-3.7	-0.551271	-0.060370	0.8	0.271307	0.262007	5.3	0.502175	-0.010107
-8.1	-0.506014	-0.005090	-3.6	-0.557155	-0.057110	0.9	0.296885	0.249449	5.4	0.501227	-0.008852
-8.0	-0.506469	-0.003974	-3.5	-0.562652	-0.052640	1.0	0.321180	0.236360	5.5	0.500403	-0.007645
-7.9	-0.506802	-0.002653	-3.4	-0.567641	-0.046933	1.1	0.344143	0.222851	5.6	0.499698	-0.006495
-7.8	-0.506993	-0.001144	-3.3	-0.571997	-0.039977	1.2	0.365739	0.209037	5.7	0.499101	-0.005412
-7.7	-0.507025	0.000533	-3.2	-0.575585	-0.031777	1.3	0.385943	0.195026	5.8	0.498611	-0.004403
-7.6	-0.506882	0.002353	-3.1	-0.578312	-0.022351	1.4	0.404742	0.180929	5.9	0.498218	-0.003473
-7.5	-0.506551	0.004295	-3.0	-0.580026	-0.011732	1.5	0.422130	0.166846	6.0	0.497914	-0.002624
-7.4	-0.506022	0.006292	-2.9	-0.580620	0.000030	1.6	0.438115	0.152878	6.1	0.497690	-0.001858
-7.3	-0.505291	0.008334	-2.8	-0.579984	0.012871	1.7	0.452712	0.139114	6.2	0.497539	-0.001176
-7.2	-0.504356	0.010366	-2.7	-0.578013	0.026713	1.8	0.465947	0.125636	6.3	0.497453	-0.000576
-7.1	-0.503220	0.012342	-2.6	-0.574611	0.041464	1.9	0.477853	0.112539	6.4	0.497422	-0.000055
-7.0	-0.501891	0.014210	-2.5	-0.569693	0.057019	2.0	0.488470	0.099877	6.5	0.497439	0.000389
-6.9	-0.500383	0.015921	-2.4	-0.563184	0.073264	2.1	0.497845	0.087717	6.6	0.497497	0.000760
-6.8	-0.498714	0.017423	-2.3	-0.555021	0.090074	2.2	0.506032	0.076113	6.7	0.497589	0.001062
-6.7	-0.496907	0.018664	-2.2	-0.545155	0.107315	2.3	0.513088	0.065113	6.8	0.497707	0.001302
-6.6	-0.494991	0.019596	-2.1	-0.533549	0.124846	2.4	0.519076	0.054754	6.9	0.497847	0.001483
-6.5	-0.493000	0.020174	-2.0	-0.520181	0.142522	2.5	0.524061	0.045064	7.0	0.498002	0.001612
-6.4	-0.490970	0.020354	-1.9	-0.505044	0.160196	2.6	0.528111	0.036065	7.1	0.498168	0.001693
-6.3	-0.488943	0.020101	-1.8	-0.488147	0.177718	2.7	0.531297	0.027770	7.2	0.498339	0.001733
-6.2	-0.486965	0.019384	-1.7	-0.469511	0.194934	2.8	0.533689	0.020186	7.3	0.498513	0.001737
-6.1	-0.485083	0.018179	-1.6	-0.449175	0.211702	2.9	0.535358	0.013311	7.4	0.498686	0.001711
-6.0	-0.483346	0.016472	-1.5	-0.427190	0.227878	3.0	0.536375	0.007137	7.5	0.498855	0.001658
-5.9	-0.481805	0.014257	-1.4	-0.403824	0.243322	3.1	0.536808	0.001652	7.6	0.499017	0.001584
-5.8	-0.480511	0.011536	-1.3	-0.378555	0.257905	3.2	0.536727	-0.003164	7.7	0.499171	0.001494
-5.7	-0.479515	0.008323	-1.2	-0.352076	0.271506	3.3	0.536197	-0.007336	7.8	0.499315	0.001391
-5.6	-0.478863	0.004641	-1.1	-0.324290	0.284012	3.4	0.535281	-0.010890	7.9	0.499449	0.001279
-5.5	-0.478601	0.000526	-1.0	-0.295313	0.295324	3.5	0.534039	-0.013859	8.0	0.499571	0.001182

Table 35

P = 5 Q = 4 ALPHA = 4.0

X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)
-10.0	-0.501310	-0.001829	-5.5	-0.501182	-0.024471	-1.0	-0.263293	0.253141	3.5	0.543883	0.002552
-9.9	-0.501490	-0.001761	-5.4	-0.503754	-0.026956	-0.9	-0.237607	0.260437	3.6	0.543905	-0.002010
-9.8	-0.501661	-0.001648	-5.3	-0.506570	-0.029327	-0.8	-0.211233	0.266923	3.7	0.543497	-0.006077
-9.7	-0.501818	-0.001488	-5.2	-0.509615	-0.031541	-0.7	-0.184251	0.272559	3.8	0.542706	-0.009662
-9.6	-0.501957	-0.001278	-5.1	-0.512871	-0.033557	-0.6	-0.156750	0.277309	3.9	0.541580	-0.012778
-9.5	-0.502072	-0.001018	-5.0	-0.516318	-0.035330	-0.5	-0.128820	0.281146	4.0	0.540166	-0.015442
-9.4	-0.502159	-0.000706	-4.9	-0.519928	-0.036816	-0.4	-0.100552	0.284048	4.1	0.538506	-0.017675
-9.3	-0.502212	-0.000344	-4.8	-0.523670	-0.037972	-0.3	-0.072042	0.286001	4.2	0.536644	-0.019497
-9.2	-0.502226	0.000069	-4.7	-0.527510	-0.038754	-0.2	-0.043384	0.286997	4.3	0.534620	-0.020932
-9.1	-0.502196	0.000528	-4.6	-0.531407	-0.039120	-0.1	-0.014674	0.287037	4.4	0.532470	-0.022004
-9.0	-0.502119	0.001031	-4.5	-0.535318	-0.039031	0.	0.013992	0.286125	4.5	0.530230	-0.022739
-8.9	-0.501989	0.001574	-4.4	-0.539197	-0.038446	0.1	0.042519	0.284276	4.6	0.527933	-0.023163
-8.8	0.501803	0.002149	-4.3	-0.542990	-0.037330	0.2	0.070816	0.281508	4.7	0.525607	-0.023304
-8.7	-0.501558	0.002750	-4.2	-0.546644	-0.035650	0.3	0.098791	0.277849	4.8	0.523280	-0.023189
-8.6	-0.501252	0.003370	-4.1	-0.550100	-0.033378	0.4	0.126357	0.273330	4.9	0.520977	-0.022845
-8.5	-0.500884	0.003997	-4.0	-0.553290	-0.030487	0.5	0.153430	0.267989	5.0	0.518718	-0.022298
-8.4	-0.500453	0.004623	-3.9	-0.556176	-0.026958	0.6	0.179929	0.261868	5.1	0.516523	-0.021576
-8.3	-0.499960	0.005234	-3.8	-0.558668	-0.022775	0.7	0.205779	0.255016	5.2	0.514408	-0.020703
-8.2	-0.499407	0.005820	-3.7	-0.560709	-0.017927	0.8	0.230910	0.247484	5.3	0.512387	-0.019705
-8.1	-0.498797	0.006367	-3.6	-0.562232	-0.012409	0.9	0.255255	0.239329	5.4	0.510470	-0.018605
-8.0	-0.498135	0.006881	-3.5	-0.563169	-0.006222	1.0	0.278757	0.230609	5.5	0.508668	-0.017425
-7.9	-0.497427	0.007290	-3.4	-0.563454	0.000627	1.1	0.301360	0.221386	5.6	0.506987	-0.016187
-7.8	-0.496680	0.007635	-3.3	-0.563022	0.008125	1.2	0.323019	0.211724	5.7	0.505432	-0.014909
-7.7	-0.495903	0.007885	-3.2	-0.561808	0.016253	1.3	0.343693	0.201687	5.8	0.504006	-0.013611
-7.6	-0.495107	0.008025	-3.1	-0.559751	0.024987	1.4	0.363346	0.191342	5.9	0.502710	-0.012309
-7.5	-0.494303	0.008041	-3.0	-0.556791	0.034295	1.5	0.381953	0.180754	6.0	0.501544	-0.011017
-7.4	-0.493503	0.007920	-2.9	-0.552874	0.044139	1.6	0.399491	0.169990	6.1	0.500506	-0.009750
-7.3	-0.492724	0.007651	-2.8	-0.547947	0.054478	1.7	0.415947	0.159116	6.2	0.499593	-0.008517
-7.2	-0.491979	0.007221	-2.7	-0.541984	0.065262	1.8	0.431313	0.148194	6.3	0.498801	-0.007331
-7.1	-0.491285	0.006622	-2.6	-0.534882	0.076439	1.9	0.445587	0.137286	6.4	0.498125	-0.006199
-7.0	-0.490660	0.005846	-2.5	-0.526665	0.087949	2.0	0.458773	0.126453	6.5	0.497559	-0.005128
-6.9	-0.490122	0.004887	-2.4	-0.517283	0.099732	2.1	0.470881	0.115751	6.6	0.497097	-0.004125
-6.8	-0.489689	0.003743	-2.3	-0.506711	0.111720	2.2	0.481929	0.105234	6.7	0.496732	-0.003192
-6.7	-0.489380	0.002411	-2.2	-0.494934	0.123845	2.3	0.491938	0.094952	6.8	0.496456	-0.002334
-6.6	-0.489213	0.000893	-2.1	-0.481940	0.136034	2.4	0.500929	0.084951	6.9	0.496262	-0.001552
-6.5	-0.489207	-0.000805	-2.0	-0.467727	0.148214	2.5	0.508937	0.075275	7.0	0.496143	-0.000846
-6.4	-0.489380	-0.002676	-1.9	-0.452300	0.160309	2.6	0.515996	0.065961	7.1	0.496091	-0.000218
-6.3	-0.489747	-0.004709	-1.8	-0.435871	0.172243	2.7	0.522143	0.057043	7.2	0.496097	0.000336
-6.2	-0.490326	-0.006891	-1.7	-0.417858	0.183941	2.8	0.527419	0.048551	7.3	0.496155	0.000816
-6.1	-0.491130	-0.009204	-1.6	-0.398893	0.195327	2.9	0.531868	0.040509	7.4	0.496258	0.001225
-6.0	-0.492171	-0.011628	-1.5	-0.378807	0.206327	3.0	0.535536	0.032939	7.5	0.496398	0.001567
-5.9	-0.493459	-0.014139	-1.4	-0.357643	0.216870	3.1	0.538472	0.025855	7.6	0.496569	0.001844
-5.8	-0.495008	-0.016710	-1.3	-0.335450	0.226886	3.2	0.540724	0.019269	7.7	0.496765	0.002062
-5.7	0.496802	-0.019311	-1.2	-0.312285	0.236311	3.3	0.542342	0.013189	7.8	0.496980	0.002224
-5.6	-0.498863	-0.021910	-1.1	0.288210	0.245081	3.4	0.543378	0.007617	7.9	0.497208	0.002336
-5.5	-0.501182	-0.024471	-1.0	-0.263293	0.253141	3.5	0.543883	0.002552	8.0	0.497445	0.002401

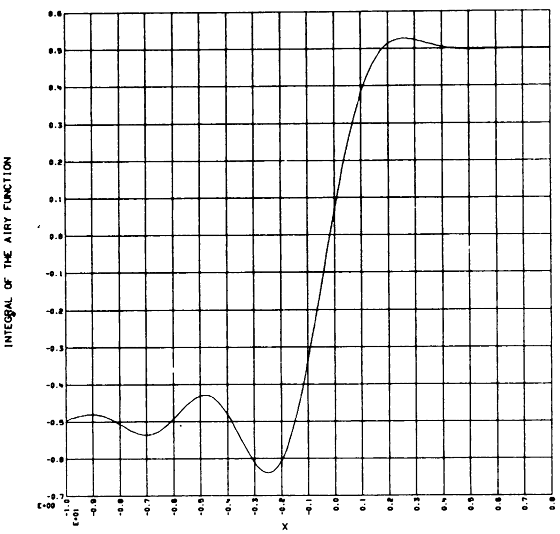
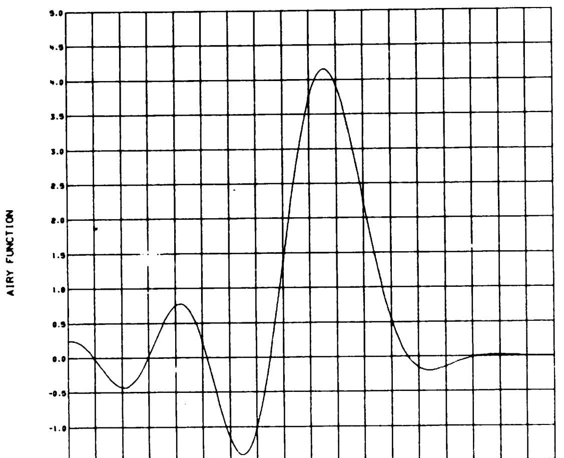
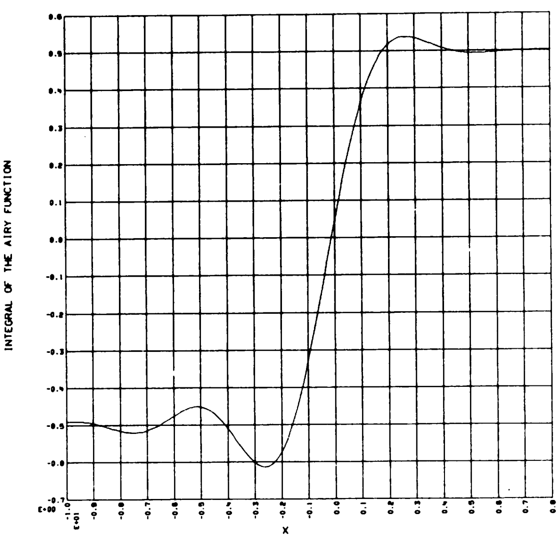


Figure 70



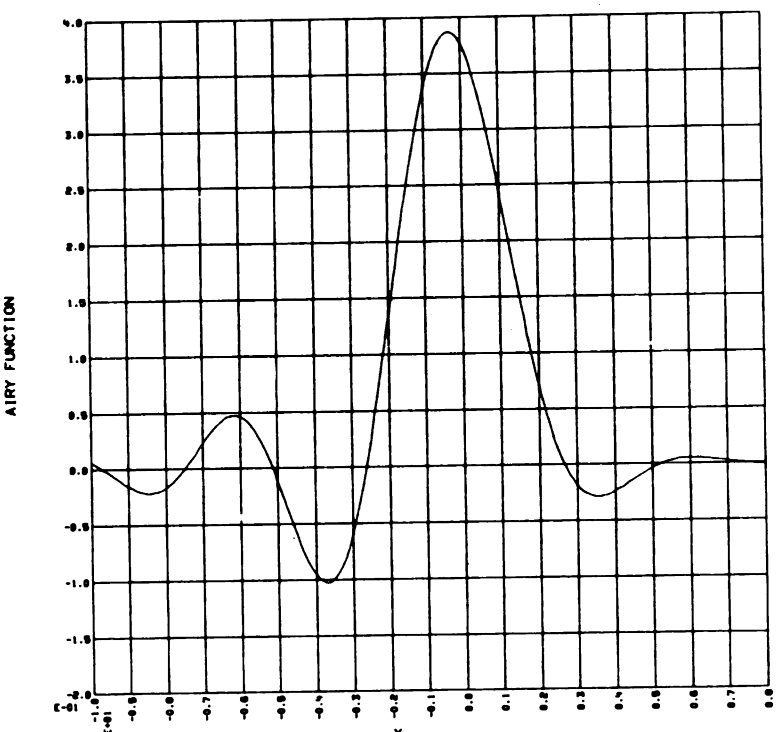
P = 5 Q = 6 ALPHA = 0.5

Figure 71



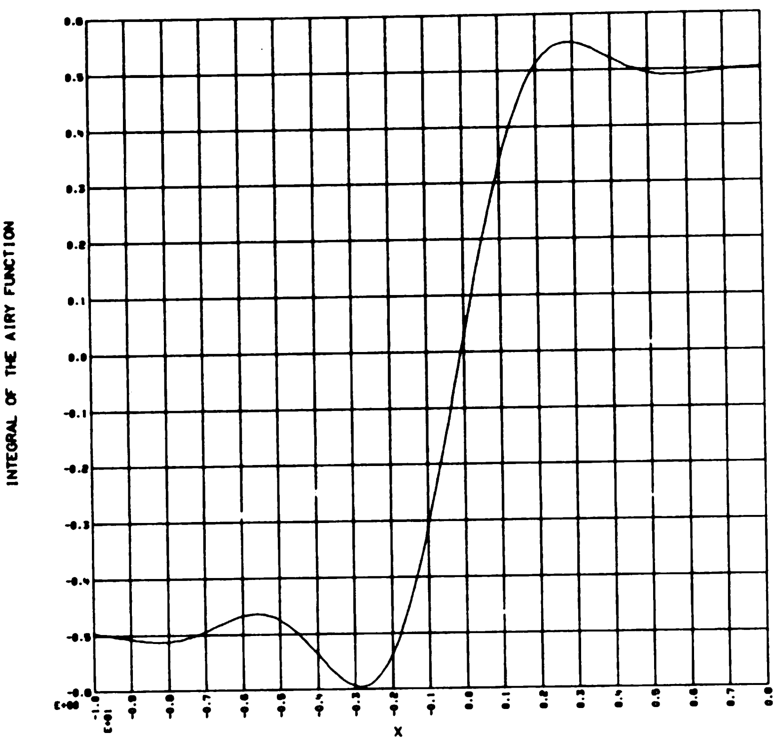
P = 5 Q = 6 ALPHA = 1.0

Figure 72



P = 5 Q = 6 ALPHA = 1.0

Figure 73



P = 5 Q = 6 ALPHA = 2.0

Figure 74

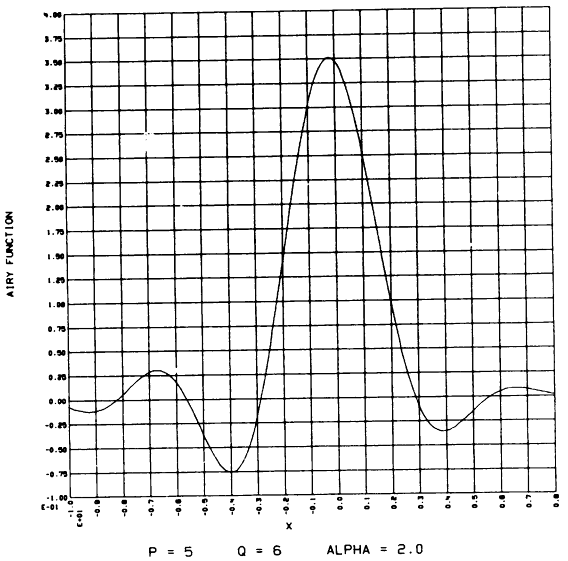


Figure 75

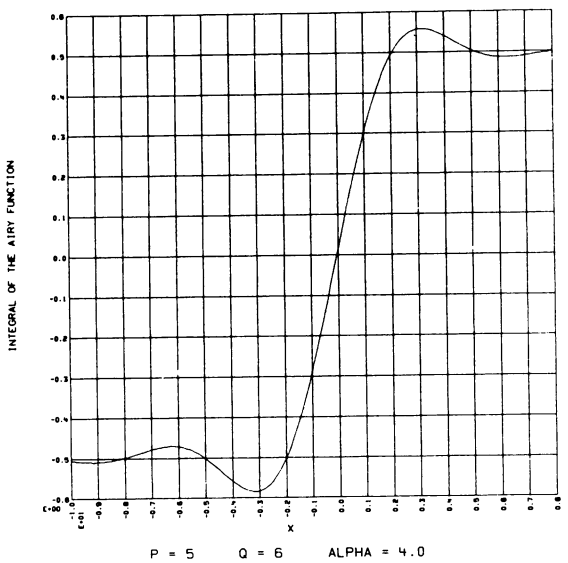
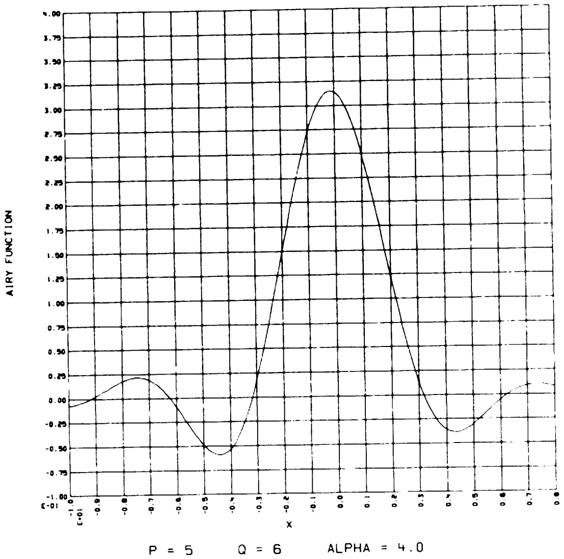


Figure 76



P = 5 Q = 6 ALPHA = 4.0

Figure 77

Table 36

P = 5   Q = 6   ALPHA = 0.5

X	AI'(X)	AI(X)
-10.0	-0.496699	0.024178
-9.9	-0.494264	0.024422
-9.8	-0.491837	0.024004
-9.7	-0.489486	0.022899
-9.6	-0.487280	0.021100
-9.5	-0.485288	0.018820
-9.4	-0.483578	0.015491
-9.3	-0.482210	0.011761
-9.2	-0.481243	0.007502
-9.1	-0.480725	0.002797
-9.0	-0.480695	-0.002249
-8.9	-0.481182	-0.007522
-8.8	-0.482203	-0.012894
-8.7	-0.483760	-0.018229
-8.6	-0.485843	-0.023387
-8.5	-0.488426	-0.028224
-8.4	-0.491472	-0.032800
-8.3	0.494926	-0.036378
-8.2	-0.498724	-0.039432
-8.1	-0.502785	-0.041648
-8.0	-0.507022	-0.042928
-7.9	-0.511337	-0.043194
-7.8	-0.515625	-0.042388
-7.7	-0.519770	-0.040477
-7.6	-0.523683	-0.037455
-7.5	-0.527232	-0.033340
-7.4	-0.530317	-0.028181
-7.3	-0.532836	-0.022051
-7.2	-0.534698	-0.015051
-7.1	-0.535821	-0.007307
-7.0	-0.536139	0.001032
-6.9	-0.535601	0.009797
-6.8	-0.534172	0.018803
-6.7	-0.531838	0.027851
-6.6	-0.528607	0.036733
-6.5	-0.524505	0.045236
-6.4	-0.519579	0.053149
-6.3	-0.513901	0.060265
-6.2	-0.507560	0.066386
-6.1	-0.500663	0.071330
-6.0	-0.493338	0.074934
-5.9	-0.485726	0.077058
-5.8	-0.477980	0.077589
-5.7	-0.470264	0.076443
-5.6	-0.462749	0.073573
-5.5	-0.455607	0.068964

X	AI'(X)	AI(X)
-5.5	-0.455607	0.068964
-5.4	-0.449013	0.062637
-5.3	-0.443135	0.054653
-5.2	-0.438135	0.045105
-5.1	-0.434162	0.034127
-5.0	-0.431351	0.021883
-4.9	-0.429821	0.008570
-4.8	-0.429666	-0.005587
-4.7	-0.430958	-0.020337
-4.6	-0.433744	-0.035411
-4.5	-0.438041	-0.050523
-4.4	-0.443840	-0.065377
-4.3	-0.451098	-0.079874
-4.2	-0.459746	-0.093112
-4.1	-0.469682	-0.105400
-4.0	-0.480778	-0.116254
-3.9	-0.492877	-0.125410
-3.8	-0.505795	-0.132627
-3.7	-0.519330	-0.137687
-3.6	-0.533255	-0.140407
-3.5	-0.547328	-0.140636
-3.4	-0.561295	-0.138261
-3.3	-0.574891	-0.133209
-3.2	-0.587847	-0.125448
-3.1	-0.599891	-0.114989
-3.0	-0.610756	-0.101882
-2.9	-0.620182	-0.086221
-2.8	-0.627919	-0.068138
-2.7	-0.633735	-0.047804
-2.6	-0.637412	-0.025424
-2.5	-0.638759	-0.001234
-2.4	-0.637607	0.024503
-2.3	-0.633816	0.051500
-2.2	-0.627275	0.079453
-2.1	-0.617905	0.108042
-2.0	-0.605657	0.136942
-1.9	-0.590517	0.165823
-1.8	-0.572504	0.194357
-1.7	-0.551668	0.222224
-1.6	-0.528091	0.249114
-1.5	-0.501887	0.274736
-1.4	-0.473196	0.298815
-1.3	-0.442184	0.321105
-1.2	0.409042	0.341383
-1.1	-0.373981	0.359458
-1.0	-0.337229	0.375170

X	AI'(X)	AI(X)
-1.0	-0.337229	0.375170
-0.9	-0.299030	0.388393
-0.8	-0.259838	0.399035
-0.7	-0.219311	0.407038
-0.6	-0.178318	0.412379
-0.5	-0.136823	0.415069
-0.4	-0.095381	0.415150
-0.3	-0.053878	0.412697
-0.2	-0.012833	0.407810
-0.1	0.027507	0.400619
0.	0.067119	0.391273
0.1	0.105686	0.379943
0.2	0.143048	0.366817
0.3	0.179006	0.352096
0.4	0.213421	0.335989
0.5	0.246165	0.318715
0.6	0.277132	0.300494
0.7	0.306240	0.281545
0.8	0.333424	0.262085
0.9	0.358647	0.242328
1.0	0.381886	0.222469
1.1	0.403143	0.202706
1.2	0.422437	0.183216
1.3	0.439801	0.164162
1.4	0.455288	0.145692
1.5	0.468963	0.127937
1.6	0.480903	0.111010
1.7	0.491198	0.095007
1.8	0.499938	0.080003
1.9	0.507232	0.066059
2.0	0.513187	0.053215
2.1	0.517913	0.041497
2.2	0.521524	0.030914
2.3	0.524133	0.021460
2.4	0.525853	0.013116
2.5	0.526792	0.005852
2.6	0.527058	-0.000375
2.7	0.526750	-0.005614
2.8	0.525966	-0.009925
2.9	0.524794	-0.013371
3.0	0.523318	-0.016021
3.1	0.521614	-0.017947
3.2	0.519751	-0.019222
3.3	0.517789	-0.019922
3.4	0.515783	-0.020118
3.5	0.513780	-0.019884

X	AI'(X)	AI(X)
3.5	0.513780	-0.019884
3.6	0.511818	-0.019289
3.7	0.509932	-0.018398
3.8	0.508147	-0.017273
3.9	0.506483	-0.015972
4.0	0.504956	-0.014546
4.1	0.503576	-0.013044
4.2	0.502349	-0.011508
4.3	0.501275	-0.009973
4.4	0.500353	-0.008470
4.5	0.499579	-0.007027
4.6	0.498945	-0.005664
4.7	0.498443	-0.004397
4.8	0.498062	-0.003238
4.9	0.497791	-0.002196
5.0	0.497619	-0.001275
5.1	0.497532	-0.000475
5.2	0.497520	0.000204
5.3	0.497569	0.000767
5.4	0.497669	0.001219
5.5	0.497809	0.001567
5.6	0.497979	0.001820
5.7	0.498171	0.001988
5.8	0.498375	0.002080
5.9	0.498584	0.002106
6.0	0.498794	0.002077
6.1	0.498998	0.002001
6.2	0.499193	0.001888
6.3	0.499375	0.001747
6.4	0.499542	0.001585
6.5	0.499691	0.001411
6.6	0.499824	0.001230
6.7	0.499937	0.001048
6.8	0.500033	0.000870
6.9	0.500112	0.000699
7.0	0.500173	0.000539
7.1	0.500220	0.000392
7.2	0.500252	0.000259
7.3	0.500272	0.000142
7.4	0.500281	0.000041
7.5	0.500281	-0.000043
7.6	0.500273	-0.000113
7.7	0.500259	-0.000167
7.8	0.500240	-0.000208
7.9	0.500218	-0.000236
8.0	0.500193	-0.000252

Table 37

P = 5   Q = 6   ALPHA = 1.0

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.491822	0.005661	-5.5	-0.456385	0.027181	-1.0	-0.328179	0.338403	3.5	0.521873	-0.028695
-9.9	-0.491138	0.004026	-5.4	-0.453988	0.020661	-0.9	-0.293673	0.351415	3.6	0.518802	-0.028641
-9.8	-0.490824	0.002181	-5.3	-0.452279	0.013350	-0.8	-0.257981	0.362499	3.7	0.515981	-0.028085
9.7	-0.490706	0.000155	-5.2	-0.451339	0.005336	-0.7	-0.221240	0.371572	3.8	0.513199	-0.027098
-9.6	-0.490798	-0.002018	-5.1	-0.451232	-0.003278	-0.6	-0.183716	0.378568	3.9	0.510554	-0.025751
-9.5	-0.491113	-0.004298	-5.0	-0.452011	-0.012370	-0.5	-0.145587	0.383451	4.0	0.508059	-0.024109
-9.4	-0.491659	-0.006635	-4.9	-0.453717	-0.021806	-0.4	-0.107096	0.386203	4.1	0.505740	-0.022237
-9.3	-0.492440	-0.008985	-4.8	-0.456379	-0.031439	-0.3	-0.068427	0.386833	4.2	0.503817	-0.020197
-9.2	-0.493455	-0.011293	-4.7	-0.460006	-0.041112	-0.2	-0.029800	0.385371	4.3	0.501704	-0.018043
-9.1	-0.494696	-0.013504	-4.6	-0.464597	-0.050658	-0.1	0.008579	0.381870	4.4	0.500010	-0.015829
-9.0	-0.496151	-0.015582	-4.5	-0.470128	-0.059905	0.	0.046509	0.376403	4.5	0.498539	-0.013601
-8.9	-0.497801	-0.017411	-4.4	-0.476562	-0.068682	0.1	0.083797	0.369062	4.6	0.497289	-0.011401
-8.8	-0.499624	-0.018996	-4.3	-0.483843	-0.076810	0.2	0.120263	0.359958	4.7	0.496256	-0.009265
-8.7	-0.501590	-0.020265	-4.2	-0.491897	-0.084115	0.3	0.155734	0.349216	4.8	0.495433	-0.007225
-8.6	-0.503665	-0.021170	-4.1	-0.500633	-0.090431	0.4	0.190056	0.336976	4.9	0.494807	-0.005306
-8.5	-0.505810	-0.021666	-4.0	-0.509945	-0.095595	0.5	0.223085	0.323389	5.0	0.494387	-0.003530
-8.4	-0.507983	-0.021719	-3.9	-0.519709	-0.099460	0.6	0.254694	0.308616	5.1	0.494096	-0.001911
-8.3	-0.510138	-0.021296	-3.8	-0.529789	-0.101886	0.7	0.284774	0.292824	5.2	0.493979	-0.000461
-8.2	-0.512226	-0.020379	-3.7	-0.540034	-0.102754	0.8	0.313231	0.276186	5.3	0.493998	0.000813
-8.1	-0.514197	-0.018956	-3.6	-0.550284	-0.101958	0.9	0.339989	0.258877	5.4	0.494136	0.001908
-8.0	-0.516000	-0.017024	-3.5	-0.560387	-0.099416	1.0	0.364990	0.241071	5.5	0.494374	0.002826
-7.9	-0.517585	-0.014594	-3.4	-0.570107	-0.095064	1.1	0.388192	0.222941	5.6	0.494695	0.003570
-7.8	-0.518903	-0.011685	-3.3	-0.579319	-0.088861	1.2	0.409573	0.204657	5.7	0.495082	0.004148
-7.7	-0.519908	-0.008330	-3.2	-0.587817	-0.080792	1.3	0.429124	0.186382	5.8	0.495519	0.004568
-7.6	-0.520556	-0.004571	-3.1	-0.595415	-0.070865	1.4	0.446855	0.168270	5.9	0.495991	0.004843
-7.5	-0.520810	-0.000461	-3.0	-0.601929	-0.059112	1.5	0.462788	0.150467	6.0	0.496483	0.004983
-7.4	-0.520638	0.003938	-2.9	-0.607178	-0.045590	1.6	0.476983	0.133110	6.1	0.496984	0.005004
-7.3	-0.520016	0.008547	-2.8	-0.610991	-0.030382	1.7	0.489429	0.116320	6.2	0.497481	0.004919
-7.2	-0.518925	0.013290	-2.7	-0.613202	-0.013591	1.8	0.500249	0.100209	6.3	0.497964	0.004743
-7.1	-0.517356	0.018077	-2.6	-0.613861	0.004656	1.9	0.509497	0.084872	6.4	0.498427	0.004492
-7.0	-0.515311	0.022813	-2.5	-0.612227	0.024210	2.0	0.517253	0.070394	6.5	0.498861	0.004180
-6.9	-0.512798	0.027400	-2.4	-0.608780	0.044906	2.1	0.523607	0.056843	6.6	0.499261	0.003820
-6.8	-0.509839	0.031737	-2.3	-0.603214	0.066581	2.2	0.528654	0.044271	6.7	0.499624	0.003426
-6.7	-0.506463	0.035723	-2.2	-0.595443	0.088977	2.3	0.532495	0.032721	6.8	0.499945	0.003010
-6.6	-0.502710	0.039257	-2.1	-0.585400	0.111947	2.4	0.535233	0.022216	6.9	0.500225	0.002585
-6.5	-0.498630	0.042244	-2.0	-0.573042	0.135252	2.5	0.536973	0.012769	7.0	0.500462	0.002159
-6.4	-0.494282	0.044592	-1.9	-0.558346	0.158668	2.6	0.537822	0.004381	7.1	0.500657	0.001742
-6.3	-0.489735	0.046219	-1.8	-0.541312	0.181970	2.7	0.537884	-0.002963	7.2	0.500811	0.001342
-6.2	-0.485065	0.047051	-1.7	-0.521984	0.204931	2.8	0.537263	-0.009294	7.3	0.500927	0.000985
-6.1	-0.480354	0.047025	-1.6	-0.500345	0.227326	2.9	0.536060	-0.014618	7.4	0.501005	0.000617
-6.0	-0.475690	0.046092	-1.5	-0.476524	0.248939	3.0	0.534372	-0.019003	7.5	0.501051	0.000300
-5.9	-0.471167	0.044217	-1.4	-0.450590	0.269560	3.1	0.532290	-0.022493	7.6	0.501067	0.000020
-5.8	-0.466879	0.041382	-1.3	-0.422652	0.288993	3.2	0.529901	-0.025144	7.7	0.501056	-0.000227
-5.7	-0.462922	0.037588	-1.2	-0.392838	0.307053	3.3	0.527287	-0.027016	7.8	0.501023	-0.000434
-5.6	-0.459393	0.032839	-1.1	-0.361293	0.323572	3.4	0.524522	-0.028177	7.9	0.500973	-0.000605
-5.5	-0.456385	0.027181	-1.0	-0.328179	0.338403	3.5	0.521873	-0.028695	8.0	0.500903	-0.000739

Table 38

P = 5   Q = 6   ALPHA = 2.0

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.497196	-0.007219	-5.5	-0.464587	-0.006636	-1.0	-0.309846	0.303256	3.5	0.537630	-0.031479
-9.9	-0.497970	-0.008255	-5.4	-0.465541	0.012490	-0.9	-0.278754	0.314360	3.6	0.534374	-0.033512
-9.8	-0.498844	-0.009213	-5.3	-0.467092	-0.018551	-0.8	-0.246818	0.324117	3.7	0.530950	-0.034858
-9.7	-0.499809	-0.010069	-5.2	-0.469256	-0.024743	-0.7	-0.213978	0.332453	3.8	0.527424	-0.035567
-9.6	-0.500856	-0.010800	-5.1	-0.472042	-0.030984	-0.6	-0.180377	0.339307	3.9	0.523856	-0.035692
-9.5	-0.501964	-0.011384	-5.0	-0.475451	-0.037185	-0.5	-0.146167	0.344633	4.0	0.520303	-0.035289
-9.4	-0.503125	-0.011799	-4.9	-0.479474	-0.043253	-0.4	-0.111503	0.348396	4.1	0.516814	-0.034415
-9.3	-0.504318	-0.012027	-4.8	-0.484094	-0.049093	-0.3	-0.076541	0.350579	4.2	0.513434	-0.033128
-9.2	-0.505523	-0.012049	-4.7	-0.489282	-0.054607	-0.2	-0.041440	0.351176	4.3	0.510200	-0.031485
-9.1	-0.506720	-0.011852	-4.6	-0.495001	-0.059696	-0.1	-0.006358	0.350199	4.4	0.507147	-0.029545
-9.0	-0.507888	-0.011423	-4.5	-0.501204	-0.064261	0.	0.028548	0.347670	4.5	0.504299	-0.027364
-8.9	-0.508997	-0.010755	-4.4	-0.507833	-0.068205	0.1	0.063125	0.343627	4.6	0.501680	-0.024995
-8.8	-0.510029	-0.009843	-4.3	-0.514821	-0.071433	0.2	0.097225	0.338119	4.7	0.499305	-0.022491
-8.7	-0.510957	-0.008685	-4.2	-0.522093	-0.073856	0.3	0.130703	0.331211	4.8	0.497185	-0.019901
-8.6	-0.511758	-0.007287	-4.1	-0.529563	-0.075388	0.4	0.163423	0.322975	4.9	0.495326	-0.017270
-8.5	-0.512407	-0.005655	-4.0	-0.537138	-0.075952	0.5	0.195256	0.313498	5.0	0.493731	-0.014641
-8.4	-0.512882	-0.003804	-3.9	-0.544718	-0.075477	0.6	0.226084	0.302868	5.1	0.492397	-0.012051
-8.3	-0.513161	0.001749	-3.8	-0.552197	-0.073902	0.7	0.255795	0.291193	5.2	0.491318	-0.009537
-8.2	-0.513226	0.000486	-3.7	-0.559460	-0.071174	0.8	0.284291	0.278580	5.3	0.490486	-0.007127
-8.1	-0.513059	0.002876	-3.6	-0.566392	-0.067255	0.9	0.311483	0.265143	5.4	0.489886	-0.004848
-8.0	-0.512646	0.005390	-3.5	-0.572871	-0.062115	1.0	0.337298	0.251002	5.5	0.489511	-0.002721
-7.9	-0.511978	0.007993	-3.4	-0.578774	-0.055738	1.1	0.361664	0.236278	5.6	0.489338	-0.000764
-7.8	-0.511046	0.010646	-3.3	-0.583977	-0.048119	1.2	0.384538	0.221096	5.7	0.489352	0.001010
-7.7	-0.509848	0.013308	-3.2	-0.588356	-0.039269	1.3	0.405872	0.205580	5.8	0.489534	0.002591
-7.6	-0.508385	0.015935	-3.1	-0.591790	0.029211	1.4	0.425845	0.189853	5.9	0.489864	0.003973
-7.5	-0.506664	0.018481	-3.0	-0.594159	-0.017980	1.5	0.443840	0.174037	6.0	0.490322	0.005154
-7.4	-0.504694	0.020898	-2.9	-0.595349	-0.005628	1.6	0.460454	0.158248	6.1	0.490888	0.006135
-7.3	-0.502491	0.023134	-2.8	-0.595250	0.007784	1.7	0.475494	0.142602	6.2	0.491542	0.006920
-7.2	-0.500075	0.025144	-2.7	-0.593759	0.022180	1.8	0.488983	0.127205	6.3	0.492266	0.007516
-7.1	-0.497471	0.026880	-2.6	-0.590784	0.037472	1.9	0.500948	0.112159	6.4	0.493039	0.007931
-7.0	-0.494709	0.028295	-2.5	-0.586238	0.053563	2.0	0.511429	0.097557	6.5	0.493846	0.008175
-6.9	-0.491824	0.029344	-2.4	-0.580048	0.070343	2.1	0.520476	0.083487	6.6	0.494669	0.008263
-6.8	-0.488854	0.029989	-2.3	-0.572151	0.087694	2.2	0.528147	0.070026	6.7	0.495494	0.008207
-6.7	-0.485841	0.030190	-2.2	-0.562495	0.105490	2.3	0.534504	0.057241	6.8	0.496306	0.008022
-6.6	-0.482832	0.029918	-2.1	-0.551042	0.123600	2.4	0.539619	0.045193	6.9	0.497095	0.007724
-6.5	-0.479874	0.029148	-2.0	-0.537769	0.141885	2.5	0.543569	0.033930	7.0	0.497848	0.007329
-6.4	-0.477020	0.027855	-1.9	-0.522664	0.160203	2.6	0.546433	0.023492	7.1	0.498558	0.006852
-6.3	-0.474321	0.026030	-1.8	-0.505732	0.178411	2.7	0.548298	0.013907	7.2	0.499216	0.006309
-6.2	-0.471832	0.023868	-1.7	-0.486990	0.196363	2.8	0.549244	0.005198	7.3	0.499818	0.005716
-6.1	-0.469605	0.020770	-1.6	-0.466472	0.213918	2.9	0.549385	-0.002627	7.4	0.500358	0.005087
-6.0	-0.467695	0.017348	-1.5	-0.444225	0.230927	3.0	0.548748	-0.009564	7.5	0.500835	0.004437
-5.9	-0.466152	0.013422	-1.4	-0.420310	0.247259	3.1	0.547481	-0.015622	7.6	0.501245	0.003777
-5.8	-0.465027	0.009018	-1.3	-0.394800	0.262780	3.2	0.545652	-0.020817	7.7	0.501590	0.003121
-5.7	-0.464363	0.004176	-1.2	-0.367785	0.277363	3.3	0.543346	-0.025170	7.8	0.501870	0.002479
-5.6	-0.464204	-0.001061	-1.1	-0.339363	0.290891	3.4	0.540645	-0.028712	7.9	0.502089	0.001860
-5.5	-0.464587	-0.006636	-1.0	-0.309846	0.303256	3.5	0.537630	-0.031479	8.0	0.502243	0.001273

Table 39

P = 5   Q = 6   ALPHA = 4.0

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.505952	-0.007381	-5.5	-0.482094	-0.030283	-1.0	-0.286309	0.273700	3.5	0.554467	-0.019684
-9.9	-0.506670	-0.006976	-5.4	-0.485330	-0.034432	-0.9	-0.258495	0.282429	3.6	0.552267	-0.024211
-9.8	-0.507343	-0.006460	-5.3	-0.488976	-0.038445	-0.8	-0.229855	0.290212	3.7	0.549647	-0.028070
-9.7	-0.507958	-0.005811	-5.2	-0.493013	-0.042267	-0.7	-0.200485	0.296998	3.8	0.546675	-0.031280
-9.6	-0.508501	-0.005030	-5.1	-0.497421	-0.045840	-0.6	-0.170490	0.302740	3.9	0.543412	-0.033861
-9.5	-0.508959	-0.004119	-5.0	-0.502171	-0.049107	-0.5	-0.139973	0.307412	4.0	0.539923	-0.035839
-9.4	-0.509321	-0.003082	-4.9	-0.507231	-0.052012	-0.4	-0.109044	0.310976	4.1	0.536264	-0.037242
-9.3	-0.509572	-0.001928	-4.8	-0.512559	-0.054498	-0.3	-0.077815	0.313414	4.2	0.532492	-0.038103
-9.2	-0.509702	-0.000658	-4.7	-0.518114	-0.056510	-0.2	-0.046399	0.314714	4.3	0.528660	-0.038456
-9.1	-0.509700	0.000711	-4.6	-0.523844	-0.057995	-0.1	-0.014910	0.314874	4.4	0.524817	-0.038340
-9.0	-0.509557	0.002189	-4.5	-0.529694	-0.058902	0	0.016538	0.313896	4.5	0.521007	-0.037793
-8.9	-0.509264	0.003701	-4.4	-0.535603	-0.059184	0.1	0.047832	0.311795	4.6	0.517271	-0.036855
-8.8	-0.508815	0.005290	-4.3	-0.541508	-0.058796	0.2	0.078860	0.308590	4.7	0.513647	-0.035568
-8.7	-0.508204	0.006919	-4.2	-0.547339	-0.057699	0.3	0.109514	0.304310	4.8	0.510168	-0.033975
-8.6	-0.507430	0.008568	-4.1	-0.553023	-0.055858	0.4	0.139687	0.298990	4.9	0.506861	-0.032117
-8.5	-0.506491	0.010215	-4.0	-0.558485	-0.053243	0.5	0.169279	0.292675	5.0	0.503752	-0.030036
-8.4	-0.505388	0.011839	-3.9	-0.563645	-0.049830	0.6	0.198191	0.285413	5.1	0.500860	-0.027773
-8.3	-0.504125	0.013414	-3.8	-0.568423	-0.045600	0.7	0.226331	0.277260	5.2	0.498202	-0.025368
-8.2	-0.502707	0.014917	-3.7	-0.572738	-0.040543	0.8	0.253815	0.268278	5.3	0.495790	-0.022860
-8.1	-0.501145	0.016322	-3.6	-0.576504	-0.034654	0.9	0.279861	0.258533	5.4	0.493632	-0.020286
-8.0	-0.499447	0.017604	-3.5	-0.579641	-0.027934	1.0	0.305299	0.248096	5.5	0.491734	-0.017680
-7.9	-0.497629	0.018739	-3.4	-0.582084	-0.020393	1.1	0.329560	0.237042	5.6	0.490098	-0.015075
-7.8	-0.495705	0.019701	-3.3	-0.583692	-0.012048	1.2	0.352689	0.225447	5.7	0.488718	-0.012502
-7.7	-0.493695	0.020466	-3.2	-0.584447	-0.002911	1.3	0.374634	0.213393	5.8	0.487594	-0.009989
-7.6	-0.491619	0.021011	-3.1	-0.584252	0.006953	1.4	0.395355	0.200961	5.9	0.486717	-0.007559
-7.5	-0.489501	0.021316	-3.0	-0.583033	0.017540	1.5	0.414817	0.188234	6.0	0.486078	-0.005236
-7.4	-0.487365	0.021360	-2.9	-0.580722	0.028794	1.6	0.432995	0.175293	6.1	0.485666	-0.003038
-7.3	-0.485238	0.021128	-2.8	-0.577254	0.040662	1.7	0.449871	0.162222	6.2	0.485466	-0.000983
-7.2	-0.483149	0.020600	-2.7	-0.572571	0.053087	1.8	0.465437	0.149102	6.3	0.485464	0.000916
-7.1	-0.481128	0.019768	-2.6	-0.566620	0.066005	1.9	0.479692	0.136012	6.4	0.485644	0.002649
-7.0	-0.479206	0.018624	-2.5	-0.559356	0.079346	2.0	0.492643	0.123028	6.5	0.485988	0.004207
-6.9	-0.477414	0.017160	-2.4	-0.550739	0.093037	2.1	0.504304	0.110225	6.6	0.486479	0.005585
-6.8	-0.475785	0.015376	-2.3	-0.540739	0.106998	2.2	0.514697	0.097673	6.7	0.487099	0.006780
-6.7	-0.474350	0.013273	-2.2	-0.529333	0.121148	2.3	0.523849	0.085438	6.8	0.487829	0.007792
-6.6	-0.473141	0.010858	-2.1	-0.516506	0.135400	2.4	0.531797	0.073582	6.9	0.488651	0.008623
-6.5	-0.472188	0.008141	-2.0	-0.502252	0.149668	2.5	0.538580	0.062160	7.0	0.489547	0.009276
-6.4	-0.471522	0.005137	-1.9	-0.486575	0.163861	2.6	0.544245	0.051225	7.1	0.490500	0.009758
-6.3	-0.471170	0.001865	-1.8	-0.469486	0.177889	2.7	0.548843	0.040823	7.2	0.491493	0.010076
-6.2	-0.471157	-0.001651	-1.7	-0.451006	0.191663	2.8	0.552429	0.030993	7.3	0.492510	0.010238
-6.1	-0.471507	-0.005385	-1.6	-0.431185	0.205092	2.9	0.555062	0.021769	7.4	0.493536	0.010256
-6.0	-0.472240	-0.009303	-1.5	-0.409999	0.218089	3.0	0.556804	0.013180	7.5	0.494557	0.010139
-5.9	-0.473373	-0.013371	-1.4	-0.387564	0.230567	3.1	0.557720	0.005248	7.6	0.495560	0.009902
-5.8	-0.474918	-0.017547	-1.3	-0.363908	0.242444	3.2	0.557869	-0.002012	7.7	0.496534	0.009554
-5.7	-0.476884	-0.021790	-1.2	-0.339098	0.253641	3.3	0.557340	-0.008589	7.8	0.497468	0.009112
-5.6	-0.479276	-0.026051	-1.1	-0.313205	0.264083	3.4	0.556181	-0.014479	7.9	0.498353	0.008586
-5.5	-0.482094	-0.030283	-1.0	-0.286309	0.273700	3.5	0.554467	-0.019684	8.0	0.499183	0.007992

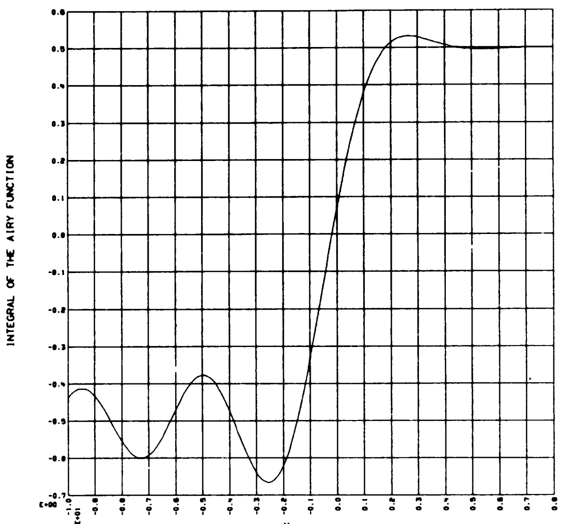
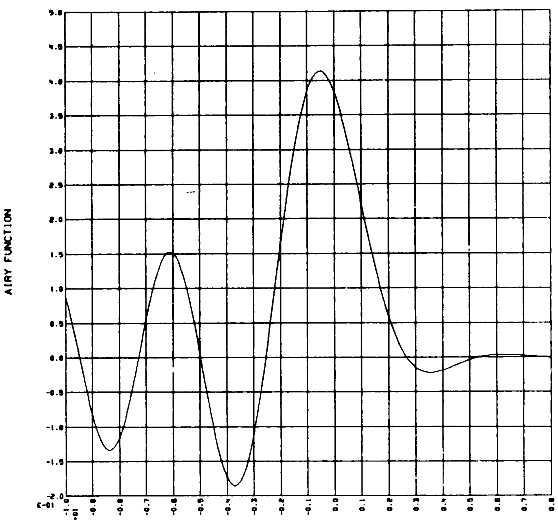


Figure 78



P = 7 Q = 2 ALPHA = 0.

Figure 79

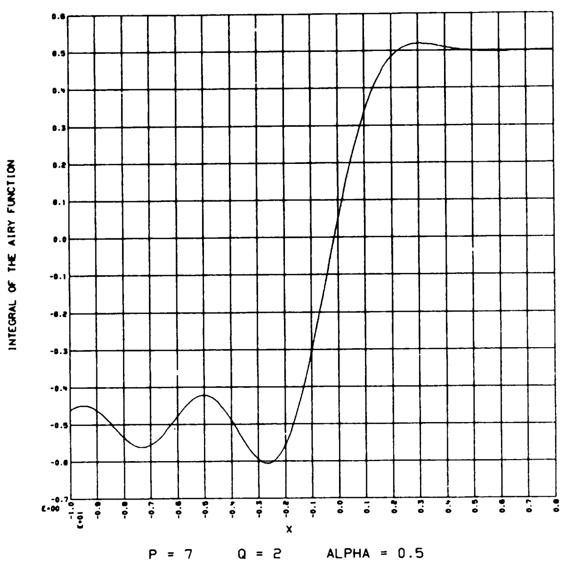


Figure 80

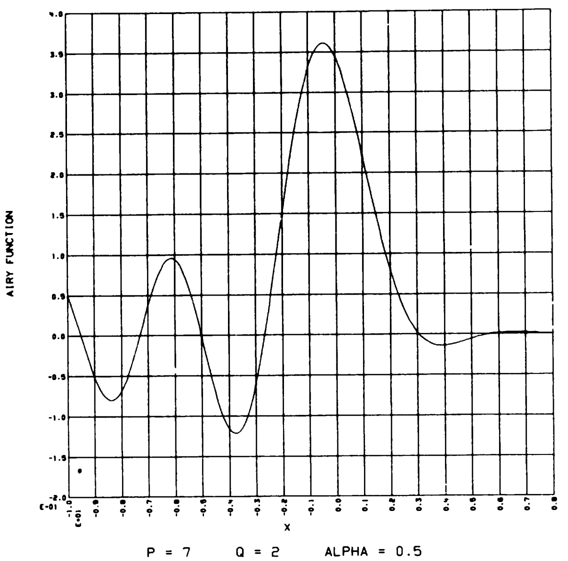


Figure 81

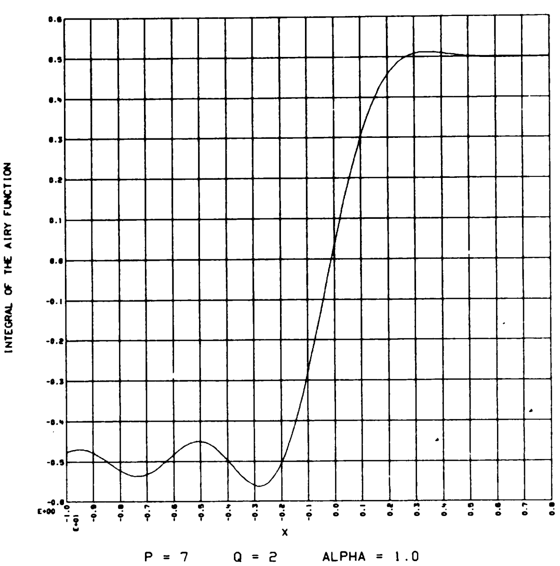
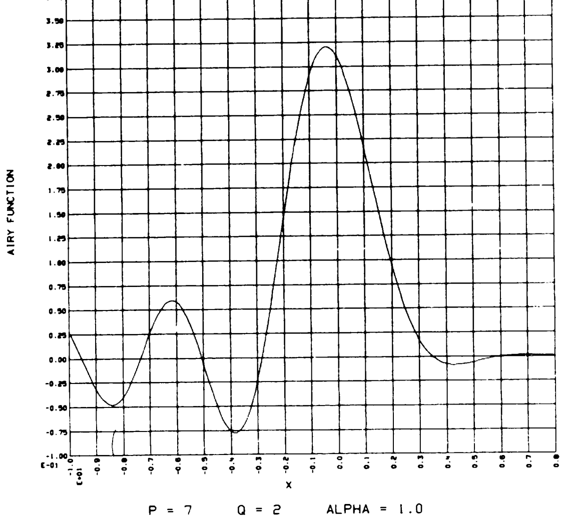
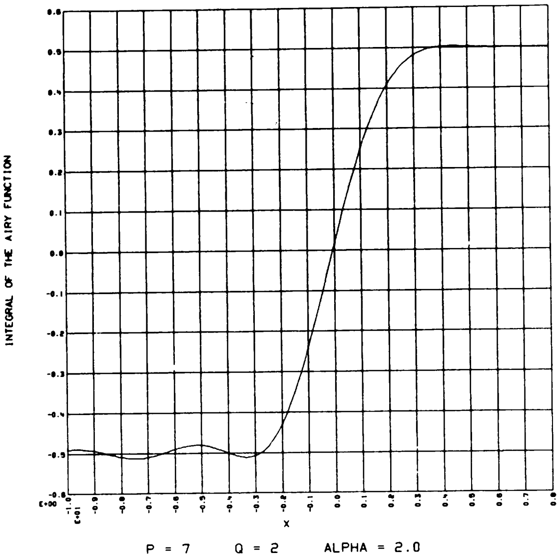


Figure 82



P = 7 Q = 2 ALPHA = 1.0

Figure 83



P = 7 Q = 2 ALPHA = 2.0

Figure 84

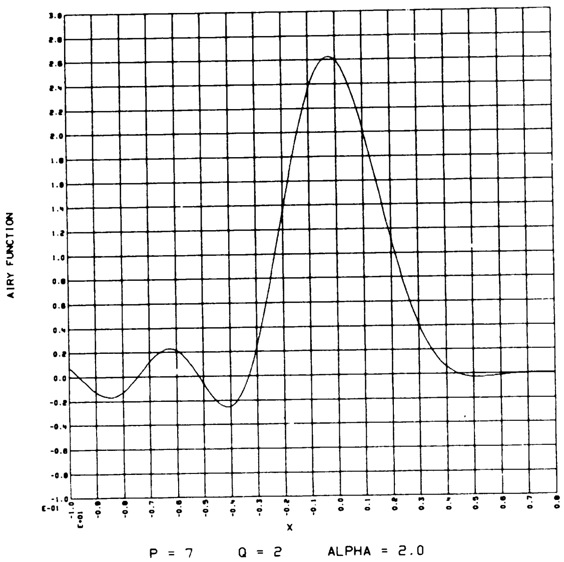
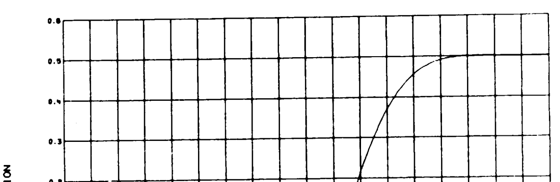
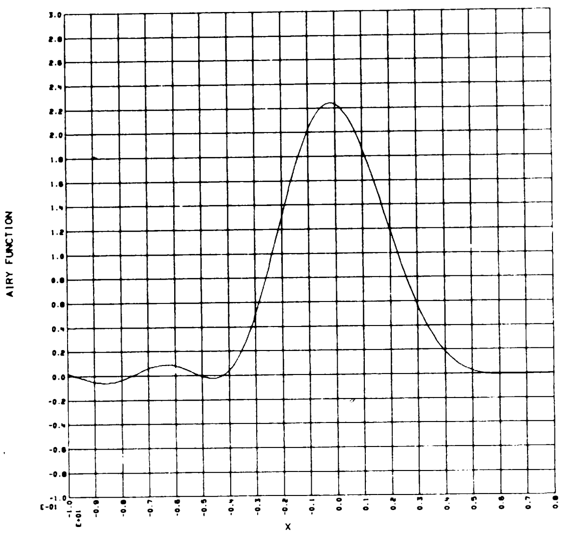


Figure 85



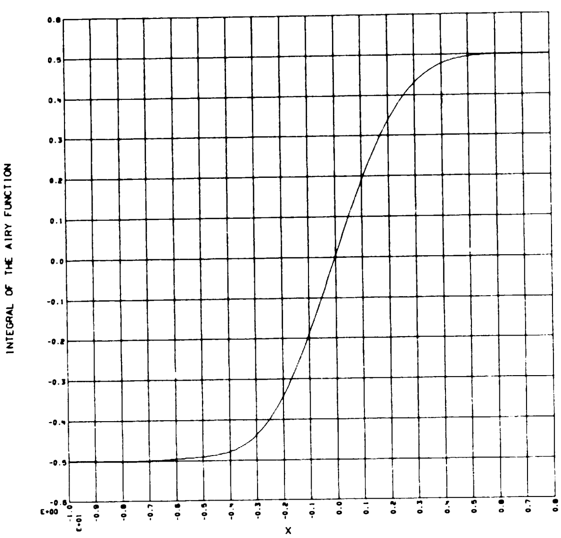
P = 7 Q = 2 ALPHA = 3.0

Figure 86



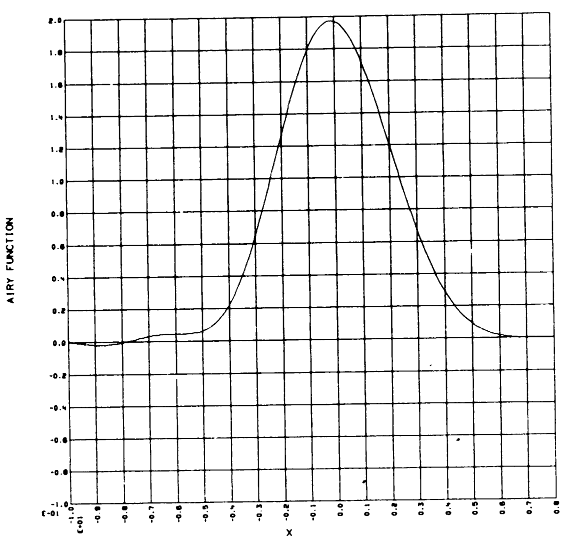
P = 7 Q = 2 ALPHA = 3.0

Figure 87



P = 7   Q = 2   ALPHA = 4.0

Figure 88



P = 7   Q = 2   ALPHA = 4.0

Figure 89

Table 40

P = 7   Q = 2   ALPHA = 0.

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.437157	0.088703	-5.5	-0.405890	0.102316	-1.0	-0.332030	0.385260	3.5	0.517978	-0.022424
-9.9	-0.429159	0.072954	-5.4	-0.398471	0.085748	-0.9	-0.292958	0.395819	3.6	0.515736	-0.022356
-9.8	-0.422622	0.057537	-5.3	-0.388800	0.067424	-0.8	-0.252950	0.403878	3.7	0.513519	-0.021918
-9.7	-0.417898	0.040777	-5.2	-0.383035	0.047858	-0.7	-0.212284	0.409433	3.8	0.511363	-0.021166
-9.6	-0.414499	0.023027	-5.1	-0.379305	0.026781	-0.6	-0.171146	0.412509	3.9	0.509295	-0.020154
-9.5	-0.413111	0.004882	-5.0	-0.377704	0.005147	-0.5	-0.129843	0.413157	4.0	0.507339	-0.018933
-9.4	-0.413575	-0.013933	-4.9	-0.378289	-0.016878	-0.4	-0.088593	0.411452	4.1	0.505514	-0.017550
-9.3	-0.415892	-0.032364	-4.8	-0.381080	-0.038918	-0.3	-0.047828	0.407490	4.2	0.503833	-0.016050
-9.2	-0.420029	-0.050242	-4.7	-0.386060	-0.060600	-0.2	-0.007188	0.401389	4.3	0.502308	-0.014472
-9.1	-0.425910	-0.067182	-4.6	-0.393176	-0.081553	-0.1	0.032583	0.393283	4.4	0.500940	-0.012854
-9.0	-0.433424	-0.082854	-4.5	-0.402335	-0.101419	0.	0.071429	0.383324	4.5	0.499736	-0.011227
-8.9	-0.442427	-0.096899	-4.4	-0.413412	-0.119855	0.1	0.109192	0.371672	4.6	0.498694	-0.009818
-8.8	-0.452740	-0.109027	-4.3	-0.426247	-0.136540	0.2	0.145712	0.358503	4.7	0.497810	-0.008057
-8.7	-0.464160	-0.118981	-4.2	-0.440852	-0.151181	0.3	0.180848	0.343994	4.8	0.497080	-0.006560
-8.6	-0.476457	-0.126547	-4.1	-0.456407	-0.163516	0.4	0.214473	0.328333	4.9	0.496495	-0.005145
-8.5	-0.489384	-0.131581	-4.0	-0.473270	-0.173317	0.5	0.246482	0.311707	5.0	0.496048	-0.003825
-8.4	-0.502680	-0.133809	-3.9	-0.490979	-0.180394	0.6	0.276788	0.294304	5.1	0.495727	-0.002611
-8.3	-0.516075	-0.133533	-3.8	-0.509253	-0.184598	0.7	0.305323	0.276309	5.2	0.495522	-0.001510
-8.2	-0.529298	-0.130430	-3.7	-0.527799	-0.185820	0.8	0.332037	0.257905	5.3	0.495421	-0.000526
-8.1	-0.542072	-0.124650	-3.6	-0.546316	-0.183987	0.9	0.356898	0.239287	5.4	0.495413	0.000338
-8.0	-0.554140	-0.116299	-3.5	-0.564497	-0.179108	1.0	0.379888	0.220562	5.5	0.495485	0.001084
-7.9	-0.565251	-0.105532	-3.4	-0.582038	-0.171174	1.1	0.401012	0.201948	5.6	0.495625	0.001713
-7.8	-0.575173	-0.092555	-3.3	-0.598632	-0.160260	1.2	0.420285	0.183575	5.7	0.495824	0.002230
-7.7	-0.583698	-0.077618	-3.2	-0.613992	-0.146471	1.3	0.437739	0.165576	5.8	0.496068	0.002641
-7.6	-0.590640	-0.061001	-3.1	-0.627835	-0.129947	1.4	0.453417	0.148075	5.9	0.496348	0.002951
-7.5	-0.595851	-0.043030	-3.0	-0.639898	-0.110870	1.5	0.467374	0.131182	6.0	0.496655	0.003168
-7.4	-0.599212	-0.024050	-2.9	-0.649931	-0.089447	1.6	0.479877	0.114994	6.1	0.496979	0.003301
-7.3	-0.600640	-0.004427	-2.8	-0.657716	-0.065917	1.7	0.490400	0.099593	6.2	0.497313	0.003358
-7.2	-0.600089	0.015480	-2.7	-0.663053	-0.040546	1.8	0.499624	0.085046	6.3	0.497649	0.003348
-7.1	-0.597552	0.035228	-2.6	-0.665773	-0.013616	1.9	0.507439	0.071409	6.4	0.497981	0.003280
-7.0	-0.593060	0.054483	-2.5	-0.665734	0.014573	2.0	0.513938	0.058722	6.5	0.498303	0.003162
-6.9	-0.586682	0.072885	-2.4	-0.662827	0.043708	2.1	0.519216	0.047014	6.6	0.498612	0.003004
-6.8	-0.578524	0.090046	-2.3	-0.656972	0.073472	2.2	0.523374	0.036301	6.7	0.498903	0.002812
-6.7	-0.568725	0.105645	-2.2	-0.648122	0.103543	2.3	0.526510	0.026586	6.8	0.499173	0.002596
-6.6	-0.557457	0.119377	-2.1	-0.636264	0.133601	2.4	0.528724	0.017863	6.9	0.499421	0.002362
-6.5	-0.544921	0.130973	-2.0	-0.621413	0.163334	2.5	0.530115	0.010115	7.0	0.499645	0.002116
-6.4	-0.531342	0.140204	-1.9	-0.603618	0.192439	2.6	0.530778	0.003317	7.1	0.499844	0.001864
6.3	-0.518965	0.146885	-1.8	-0.582958	0.220626	2.7	0.530809	-0.002565	7.2	0.500018	0.001614
-6.2	-0.502054	0.150876	-1.7	-0.559532	0.247623	2.8	0.530295	-0.007570	7.3	0.500167	0.001368
-6.1	-0.486883	0.152088	-1.6	-0.533478	0.273178	2.9	0.529322	-0.011748	7.4	0.500292	0.001129
-6.0	-0.471731	0.150482	-1.5	-0.504952	0.297063	3.0	0.527971	-0.015142	7.5	0.500394	0.000903
-5.9	-0.456880	0.146069	-1.4	-0.474128	0.319073	3.1	0.526317	-0.017814	7.6	0.500473	0.000691
-5.8	-0.442608	0.138911	-1.3	-0.441206	0.339032	3.2	0.524431	-0.019818	7.7	0.500532	0.000495
-5.7	-0.429185	0.129120	-1.2	-0.406398	0.356791	3.3	0.522374	-0.021215	7.8	0.500573	0.000316
-5.6	-0.416867	0.116854	-1.1	-0.369930	0.372230	3.4	0.520206	-0.022083	7.9	0.500596	0.000157
-5.5	-0.405890	0.102316	-1.0	-0.332030	0.385260	3.5	0.517978	-0.022424	8.0	0.500605	0.000017

Table 41

P = 7   Q = 2   ALPHA = 0.5

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.462126	0.048866	-5.5	-0.437812	0.061312	-1.0	-0.304062	0.331680	3.5	0.515955	-0.011478
-9.9	-0.457839	0.040698	-5.4	-0.432218	0.050369	-0.9	-0.270397	0.341289	3.6	0.514744	-0.012684
-9.8	-0.454019	0.031561	-5.3	-0.427775	0.038311	-0.8	-0.235867	0.349009	3.7	0.513432	-0.013493
-9.7	-0.451353	0.021847	-5.2	-0.424586	0.025340	-0.7	-0.200659	0.354817	3.8	0.512057	-0.013948
-9.6	-0.449708	0.011161	-5.1	-0.422730	0.011673	-0.6	-0.164967	0.358713	3.9	0.510652	-0.014093
-9.5	-0.449132	0.000323	-5.0	-0.422267	-0.002457	-0.5	-0.128980	0.360713	4.0	0.509247	-0.013968
-9.4	-0.449848	-0.010637	-4.9	-0.423229	-0.016809	-0.4	-0.092886	0.360854	4.1	0.507866	-0.013614
-9.3	-0.451256	-0.021490	-4.8	-0.425628	-0.031135	-0.3	-0.056869	0.359191	4.2	0.506531	-0.013069
-9.2	-0.453935	-0.032005	-4.7	-0.429447	-0.045184	-0.2	-0.021106	0.355792	4.3	0.505258	-0.012388
-9.1	-0.457838	-0.041956	-4.6	-0.434647	-0.058709	-0.1	0.014234	0.350743	4.4	0.504081	-0.011545
-9.0	-0.462300	-0.051133	-4.5	-0.441163	-0.071468	0.	0.048991	0.344142	4.5	0.502952	-0.010631
-8.9	-0.467832	-0.059335	-4.4	-0.448907	-0.083227	0.1	0.083014	0.336098	4.6	0.501937	-0.009653
-8.8	-0.474129	-0.066386	-4.3	-0.457768	-0.093767	0.2	0.116166	0.326728	4.7	0.501022	-0.008638
-8.7	-0.481066	-0.072130	-4.2	-0.467613	-0.102886	0.3	0.148320	0.316159	4.8	0.500210	-0.007607
-8.6	-0.488507	-0.076436	-4.1	-0.478292	-0.110400	0.4	0.179363	0.304524	4.9	0.499501	-0.006580
-8.5	-0.496302	-0.079206	-4.0	-0.489834	-0.116148	0.5	0.209194	0.291980	5.0	0.498893	-0.005575
-8.4	-0.504294	-0.080370	-3.9	-0.501458	-0.119995	0.6	0.237728	0.278804	5.1	0.498385	-0.004606
-8.3	-0.512321	-0.079891	-3.8	-0.513588	-0.121830	0.7	0.264893	0.264598	5.2	0.497971	-0.003685
-8.2	-0.520217	-0.077765	-3.7	-0.525754	-0.121571	0.8	0.290631	0.250079	5.3	0.497646	-0.002822
-8.1	-0.527820	-0.074022	-3.6	-0.537809	-0.119165	0.9	0.314898	0.235184	5.4	0.497404	-0.002023
-8.0	-0.534970	-0.068724	-3.5	-0.549515	-0.114588	1.0	0.337659	0.220046	5.5	0.497239	-0.001294
-7.9	-0.541516	-0.061964	-3.4	-0.560654	-0.107846	1.1	0.358902	0.204792	5.6	0.497143	-0.000640
-7.8	-0.547318	-0.053866	-3.3	-0.571013	-0.098973	1.2	0.378618	0.189545	5.7	0.497108	-0.000060
-7.7	-0.552250	-0.044581	-3.2	-0.580380	-0.088031	1.3	0.396815	0.174417	5.8	0.497128	0.000444
-7.6	-0.556200	-0.034281	-3.1	-0.588553	-0.075110	1.4	0.413509	0.159515	5.9	0.497195	0.000874
-7.5	-0.559079	-0.023164	-3.0	-0.595340	-0.060325	1.5	0.428728	0.144936	6.0	0.497301	0.001232
-7.4	-0.560813	-0.011440	-2.9	-0.600561	-0.043816	1.6	0.442510	0.130770	6.1	0.497439	0.001520
-7.3	-0.561354	0.000665	-2.8	-0.604051	-0.025740	1.7	0.454899	0.117094	6.2	0.497603	0.001744
-7.2	-0.560675	0.012917	-2.7	-0.605662	-0.006278	1.8	0.465947	0.103976	6.3	0.497786	0.001908
-7.1	-0.558774	0.025079	-2.6	-0.605275	0.014377	1.9	0.475715	0.091476	6.4	0.497982	0.002016
-7.0	-0.555670	0.036914	-2.5	-0.602754	0.036017	2.0	0.484265	0.079842	6.5	0.498187	0.002075
-6.9	-0.551410	0.048189	-2.4	-0.598038	0.058424	2.1	0.491666	0.068512	6.6	0.498396	0.002089
-6.8	-0.546059	0.058683	-2.3	-0.591051	0.081374	2.2	0.497992	0.058115	6.7	0.498604	0.002064
-6.7	-0.539706	0.068187	-2.2	-0.581752	0.104636	2.3	0.503315	0.048473	6.8	0.498807	0.002006
-6.6	-0.532461	0.076508	-2.1	-0.570121	0.127982	2.4	0.507712	0.039595	6.9	0.499004	0.001920
-6.5	-0.524448	0.083477	-2.0	-0.556161	0.151183	2.5	0.511259	0.031483	7.0	0.499191	0.001812
-6.4	-0.515815	0.088949	-1.9	-0.539897	0.174016	2.6	0.514034	0.024134	7.1	0.499366	0.001686
6.3	-0.506714	0.092803	-1.8	-0.521377	0.198266	2.7	0.516111	0.017535	7.2	0.499527	0.001546
-6.2	-0.497311	0.094951	-1.7	-0.500670	0.217727	2.8	0.517565	0.011667	7.3	0.499675	0.001398
-6.1	-0.487782	0.095334	-1.6	-0.477865	0.238206	2.9	0.518468	0.006506	7.4	0.499807	0.001246
-6.0	-0.478304	0.093925	-1.5	-0.453068	0.257524	3.0	0.518889	0.002024	7.5	0.499924	0.001091
-5.9	-0.469057	0.090729	-1.4	-0.426404	0.275520	3.1	0.518894	-0.001813	7.6	0.500025	0.000938
-5.8	-0.460217	0.085785	-1.3	-0.398012	0.292050	3.2	0.518547	-0.005041	7.7	0.500111	0.000789
-5.7	-0.451958	0.079163	-1.2	-0.368047	0.306986	3.3	0.517905	-0.007700	7.8	0.500183	0.000646
-5.6	-0.444437	0.070962	-1.1	-0.336672	0.320224	3.4	0.517024	-0.009831	7.9	0.500241	0.000511
-5.5	-0.437812	0.061312	-1.0	-0.304062	0.331680	3.5	0.515955	-0.011478	8.0	0.500286	0.000386

Table 42

P = 7 Q = 2 ALPHA = 1.0

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.477064	0.027028	-5.5	-0.459027	0.035498	-1.0	-0.279379	0.291385	3.5	0.511173	-0.000622
-9.9	-0.474801	0.022127	-5.4	-0.455834	0.028233	-0.9	-0.249803	0.299886	3.6	0.511000	-0.002789
-9.8	-0.472857	0.016675	-5.3	-0.453403	0.020285	-0.8	-0.219450	0.306943	3.7	0.510832	-0.004525
-9.7	-0.471281	0.010785	-5.2	-0.451795	0.011788	-0.7	-0.188464	0.312528	3.8	0.510107	-0.005920
-9.6	-0.470510	0.004578	-5.1	-0.451059	0.002886	-0.6	-0.156994	0.316625	3.9	0.509459	-0.006989
-9.5	-0.470372	-0.001821	-5.0	-0.451227	-0.006266	-0.5	-0.125188	0.319234	4.0	0.508719	-0.007762
-9.4	-0.470876	-0.008270	-4.9	-0.452315	-0.015507	-0.4	-0.093198	0.320370	4.1	0.507915	-0.008274
-9.3	-0.472023	-0.014636	-4.8	-0.454325	-0.024670	-0.3	-0.061163	0.320081	4.2	0.507072	-0.008553
-9.2	-0.473798	-0.020782	-4.7	-0.457241	-0.033588	-0.2	-0.029231	0.318346	4.3	0.506211	-0.008632
-9.1	-0.476167	-0.026575	-4.6	-0.461029	-0.042092	-0.1	0.002481	0.315278	4.4	0.505352	-0.008538
-9.0	-0.479095	-0.031890	-4.5	-0.465640	-0.050019	0.	0.033782	0.310920	4.5	0.504509	-0.008298
-8.9	-0.482526	-0.036608	-4.4	-0.471008	-0.057211	0.1	0.064605	0.305345	4.6	0.503696	-0.007939
-8.8	-0.486393	-0.040824	-4.3	-0.477053	-0.063517	0.2	0.094813	0.298633	4.7	0.502924	-0.007484
-8.7	-0.490624	-0.043845	-4.2	-0.483678	-0.068799	0.3	0.124298	0.290873	4.8	0.502202	-0.006955
-8.6	-0.495133	-0.046196	-4.1	-0.490774	-0.072930	0.4	0.152956	0.282160	4.9	0.501535	-0.006372
-8.5	-0.499832	-0.047618	-4.0	-0.498222	-0.075797	0.5	0.180700	0.272592	5.0	0.500929	-0.005753
-8.4	-0.504625	-0.048069	-3.9	-0.505888	-0.077304	0.6	0.207449	0.262271	5.1	0.500385	-0.005115
-8.3	-0.509413	-0.047529	-3.8	-0.513634	-0.077374	0.7	0.233133	0.251303	5.2	0.499906	-0.004471
-8.2	-0.514097	-0.045996	-3.7	-0.521313	-0.075946	0.8	0.257691	0.239791	5.3	0.499491	-0.003834
-8.1	-0.518579	-0.043490	-3.6	-0.528772	-0.072981	0.9	0.281076	0.227843	5.4	0.499136	-0.003214
-8.0	-0.522764	-0.040050	-3.5	-0.535857	-0.068457	1.0	0.303249	0.215581	5.5	0.498847	-0.002620
-7.9	-0.526560	-0.035733	-3.4	-0.542412	-0.062378	1.1	0.324181	0.203047	5.6	0.498613	-0.002059
-7.8	-0.529884	-0.030616	-3.3	-0.548291	-0.054757	1.2	0.343854	0.190400	5.7	0.498434	-0.001536
-7.7	-0.532660	-0.024792	-3.2	-0.553313	-0.045840	1.3	0.362258	0.177713	5.8	0.498305	-0.001055
-7.6	-0.534822	-0.018367	-3.1	-0.557381	-0.035083	1.4	0.379398	0.165075	5.9	0.498221	-0.000620
-7.5	-0.536317	-0.011464	-3.0	-0.560285	-0.023165	1.5	0.395279	0.152571	6.0	0.498179	-0.000232
-7.4	-0.537103	-0.004212	-2.9	-0.561952	-0.009979	1.6	0.409919	0.140277	6.1	0.498173	0.000109
-7.3	-0.537153	0.003249	-2.8	-0.562242	0.004366	1.7	0.423344	0.128264	6.2	0.498199	0.000403
-7.2	-0.536452	0.010774	-2.7	-0.561044	0.019746	1.8	0.435584	0.116597	6.3	0.498252	0.000650
-7.1	-0.535001	0.018216	-2.6	-0.558263	0.036025	1.9	0.446676	0.105332	6.4	0.498328	0.000854
-7.0	-0.532816	0.025429	-2.5	-0.553814	0.053056	2.0	0.456665	0.094519	6.5	0.498422	0.001015
-6.9	-0.529927	0.032268	-2.4	-0.547631	0.070686	2.1	0.465597	0.084199	6.6	0.498530	0.001137
-6.8	-0.526379	0.038595	-2.3	-0.539862	0.088753	2.2	0.473522	0.074409	6.7	0.498648	0.001223
-6.7	-0.522230	0.044280	-2.2	-0.529872	0.107093	2.3	0.480497	0.065174	6.8	0.498773	0.001276
-6.6	-0.517549	0.049205	-2.1	-0.518240	0.125538	2.4	0.486577	0.056517	6.9	0.498902	0.001299
-6.5	-0.512418	0.053262	-2.0	-0.504766	0.143922	2.5	0.491820	0.048451	7.0	0.499032	0.001297
-6.4	-0.506928	0.056362	-1.9	-0.489463	0.162078	2.6	0.496287	0.040984	7.1	0.499161	0.001272
-6.3	-0.501180	0.058432	-1.8	-0.472363	0.179847	2.7	0.500037	0.034117	7.2	0.499286	0.001228
-6.2	-0.495278	0.059416	-1.7	-0.453512	0.197073	2.8	0.503130	0.027846	7.3	0.499406	0.001169
-6.1	-0.489334	0.059278	-1.6	-0.432972	0.213608	2.9	0.505626	0.022163	7.4	0.499519	0.001097
-6.0	-0.483460	0.058003	-1.5	-0.410818	0.229315	3.0	0.507582	0.017054	7.5	0.499625	0.001015
-5.9	-0.477771	0.055597	-1.4	-0.387141	0.244065	3.1	0.509055	0.012500	7.6	0.499722	0.000927
-5.8	-0.472378	0.052087	-1.3	-0.362041	0.257743	3.2	0.510100	0.008482	7.7	0.499810	0.000834
-5.7	-0.467389	0.047520	-1.2	-0.335631	0.270246	3.3	0.510768	0.004973	7.8	0.499889	0.000739
-5.6	-0.462907	0.041961	-1.1	-0.308034	0.281485	3.4	0.511110	0.001948	7.9	0.499958	0.000645
-5.5	-0.459027	0.035498	-1.0	-0.279379	0.291385	3.5	0.511173	-0.000622	8.0	0.500018	0.000551

Table 43

P = 7   Q = 2   ALPHA = 2.0

X	AI I(X)	AI(X)	X	AI I(X)	AI(X)	X	AI I(X)	AI(X)	X	AI I(X)	AI(X)
-10.0	-0.491583	0.007638	-5.5	-0.482463	0.010686	-1.0	-0.239475	0.236776	3.5	0.496346	0.018815
-9.9	-0.490907	0.005842	-5.4	-0.481547	0.007595	-0.9	-0.215469	0.243194	3.6	0.498062	0.015564
-9.8	-0.490420	0.003879	-5.3	-0.480951	0.004297	-0.8	-0.190865	0.248731	3.7	0.499470	0.012844
-9.7	-0.490135	0.001788	-5.2	-0.480692	0.000854	-0.7	-0.165753	0.253359	3.8	0.500601	0.010043
-9.6	-0.490065	-0.000387	-5.1	-0.480783	-0.002665	-0.6	-0.140225	0.257056	3.9	0.501488	0.007745
-9.5	-0.490214	-0.002601	-5.0	-0.481225	-0.006188	-0.5	-0.114373	0.259809	4.0	0.502160	0.005731
-9.4	-0.490585	-0.004806	-4.9	-0.482018	-0.009640	-0.4	-0.088294	0.261615	4.1	0.502644	0.003985
-9.3	-0.491173	-0.006955	-4.8	-0.483148	-0.012944	-0.3	-0.062082	0.262476	4.2	0.502965	0.002487
-9.2	-0.491972	-0.009000	-4.7	-0.484598	-0.016021	-0.2	-0.035830	0.262404	4.3	0.503149	0.001218
-9.1	-0.492968	-0.010895	-4.6	-0.486343	-0.018794	-0.1	-0.009632	0.261417	4.4	0.503216	0.000160
-9.0	-0.494145	-0.012597	-4.5	-0.488345	-0.021187	0.	0.016424	0.259540	4.5	0.503187	-0.000707
-8.9	-0.495480	-0.014066	-4.4	-0.490565	-0.023126	0.1	0.042248	0.256806	4.6	0.503080	-0.001400
-8.8	-0.496949	-0.015267	-4.3	-0.492953	-0.024541	0.2	0.067757	0.253253	4.7	0.502912	-0.001938
-8.7	-0.498523	-0.016167	-4.2	-0.495453	-0.025366	0.3	0.092873	0.248923	4.8	0.502697	-0.002338
-8.6	-0.500172	-0.016744	-4.1	-0.498004	-0.025542	0.4	0.117518	0.243865	4.9	0.502449	-0.002616
-8.5	-0.501861	-0.016977	-4.0	-0.500538	-0.025017	0.5	0.141623	0.238130	5.0	0.502178	-0.002788
-8.4	-0.503555	-0.016857	-3.9	-0.502983	-0.023746	0.6	0.165123	0.231776	5.1	0.501894	-0.002870
-8.3	-0.505220	-0.016377	-3.8	-0.505261	-0.021691	0.7	0.187959	0.224859	5.2	0.501606	-0.002874
-8.2	-0.506819	-0.015541	-3.7	-0.507294	-0.018824	0.8	0.210078	0.217442	5.3	0.501321	-0.002815
-8.1	-0.508317	-0.014358	-3.6	-0.508999	-0.015128	0.9	0.231433	0.209585	5.4	0.501045	-0.002703
-8.0	-0.509680	-0.012848	-3.5	-0.510292	-0.010592	1.0	0.251983	0.201353	5.5	0.500782	-0.002550
-7.9	-0.510876	-0.011033	-3.4	-0.511089	-0.005218	1.1	0.271693	0.192808	5.6	0.500536	-0.002365
-7.8	-0.511877	-0.008945	-3.3	-0.511307	0.000984	1.2	0.290538	0.184013	5.7	0.500310	-0.002158
-7.7	-0.512657	-0.006621	-3.2	-0.510865	0.007994	1.3	0.308490	0.175030	5.8	0.500105	-0.001936
-7.6	-0.513195	-0.004104	-3.1	-0.509683	0.015780	1.4	0.325538	0.165919	5.9	0.499923	-0.001705
-7.5	-0.513473	-0.001440	-3.0	-0.507685	0.024304	1.5	0.341671	0.156738	6.0	0.499764	-0.001472
-7.4	-0.513480	0.001319	-2.9	-0.504799	0.033517	1.6	0.356885	0.147544	6.1	0.499629	-0.001242
-7.3	-0.513208	0.004119	-2.8	-0.500960	0.043363	1.7	0.371181	0.138390	6.2	0.499516	-0.001018
-7.2	-0.512858	0.006906	-2.7	-0.496108	0.053776	1.8	0.384566	0.129325	6.3	0.499424	-0.000805
-7.1	-0.511829	0.009623	-2.6	-0.490188	0.064687	1.9	0.397051	0.120396	6.4	0.499354	-0.000605
-7.0	-0.510736	0.012214	-2.5	-0.483156	0.076017	2.0	0.408651	0.111646	6.5	0.499303	-0.000420
-6.9	-0.509392	0.014625	-2.4	-0.474973	0.087685	2.1	0.419387	0.103114	6.6	0.499269	-0.000251
-6.8	-0.507819	0.016804	-2.3	-0.465611	0.099604	2.2	0.429283	0.094835	6.7	0.499252	-0.000100
-6.7	-0.506041	0.018703	-2.2	-0.455047	0.111684	2.3	0.438364	0.086839	6.8	0.499249	0.000034
-6.6	-0.504089	0.020279	-2.1	-0.443272	0.123834	2.4	0.446661	0.079153	6.9	0.499258	0.000149
-6.5	-0.501997	0.021494	-2.0	-0.430281	0.135960	2.5	0.454205	0.071800	7.0	0.499278	0.000247
-6.4	-0.499803	0.022315	-1.9	-0.416083	0.147971	2.6	0.461032	0.064798	7.1	0.499307	0.000328
-6.3	-0.497548	0.022719	-1.8	-0.400694	0.159774	2.7	0.467177	0.058162	7.2	0.499343	0.000393
-6.2	-0.495274	0.022689	-1.7	-0.384139	0.171279	2.8	0.472677	0.051903	7.3	0.499385	0.000442
-6.1	-0.493025	0.022217	-1.6	-0.366451	0.182400	2.9	0.477571	0.046028	7.4	0.499431	0.000478
-6.0	-0.490845	0.021301	-1.5	-0.347674	0.193054	3.0	0.481896	0.040540	7.5	0.499480	0.000500
-5.9	-0.488779	0.019951	-1.4	-0.327858	0.203162	3.1	0.485692	0.035439	7.6	0.499531	0.000511
-5.8	-0.486869	0.018185	-1.3	-0.307062	0.212652	3.2	0.488997	0.030724	7.7	0.499582	0.000512
-5.7	-0.485155	0.016027	-1.2	-0.285351	0.221456	3.3	0.491849	0.026388	7.8	0.499633	0.000504
-5.6	-0.483675	0.013514	-1.1	-0.262798	0.229515	3.4	0.494287	0.022423	7.9	0.499683	0.000489
-5.5	-0.482463	0.010686	-1.0	-0.239475	0.236776	3.5	0.496346	0.018819	8.0	0.499731	0.000467

Table 44

P = 7   Q = 2   ALPHA = 3.0

X	AI1(X)	AI(X)
-10.0	-0.498987	0.001788
-9.9	-0.498841	0.001125
-9.8	-0.498784	0.000420
-9.7	-0.498758	-0.000314
-9.6	-0.498827	-0.001063
-9.5	-0.498971	-0.001810
-9.4	-0.497188	-0.002539
-9.3	-0.497477	-0.003233
-9.2	-0.497833	-0.003875
-9.1	-0.498250	-0.004452
-9.0	-0.498721	-0.004947
-8.9	-0.499238	-0.005349
-8.8	-0.499787	-0.005646
-8.7	-0.500382	-0.005829
-8.6	-0.500949	-0.005890
-8.5	-0.501536	-0.005826
-8.4	-0.502110	-0.005634
-8.3	-0.502658	-0.005315
-8.2	-0.503169	-0.004871
-8.1	-0.503629	-0.004309
-8.0	-0.504027	-0.003637
-7.9	-0.504353	-0.002866
-7.8	-0.504597	-0.002009
-7.7	-0.504752	-0.001081
-7.6	-0.504811	-0.000099
-7.5	-0.504771	0.000918
-7.4	-0.504627	0.001951
-7.3	-0.504381	0.002979
-7.2	-0.504032	0.003982
-7.1	-0.503586	0.004940
-7.0	-0.503047	0.005832
-6.9	-0.502422	0.006639
-6.8	-0.501722	0.007345
-6.7	-0.500957	0.007933
-6.6	-0.500140	0.008390
-6.5	-0.499284	0.008705
-6.4	-0.498404	0.008870
-6.3	-0.497515	0.008880
-6.2	-0.496633	0.008733
-6.1	-0.495774	0.008432
-6.0	-0.494952	0.007983
-5.9	-0.494182	0.007395
-5.8	-0.493477	0.006681
-5.7	-0.492849	0.005859
-5.6	-0.492308	0.004949
-5.5	-0.491881	0.003975
-5.5	-0.491881	0.003975
-5.4	-0.491514	0.002984
-5.3	-0.491269	0.001946
-5.2	-0.491124	0.000953
-5.1	-0.491076	0.000019
-5.0	-0.491117	-0.000820
-4.9	-0.491238	-0.001527
-4.8	-0.491417	-0.002064
-4.7	-0.491842	-0.002393
-4.6	-0.491887	-0.002478
-4.5	-0.492128	-0.002283
-4.4	-0.492333	-0.001772
-4.3	-0.492471	-0.000914
-4.2	-0.492504	0.000322
-4.1	-0.492393	0.001982
-4.0	-0.492097	0.004031
-3.9	-0.491572	0.006547
-3.8	-0.490772	0.009525
-3.7	-0.489651	0.012977
-3.6	-0.488161	0.016909
-3.5	-0.486253	0.021321
-3.4	-0.483881	0.026209
-3.3	-0.480996	0.031564
-3.2	-0.477553	0.037372
-3.1	-0.473507	0.043614
-3.0	-0.468816	0.050264
-2.9	-0.463442	0.057295
-2.8	-0.457348	0.064672
-2.7	-0.450497	0.072358
-2.6	-0.442866	0.080311
-2.5	-0.434427	0.088487
-2.4	-0.425162	0.096838
-2.3	-0.415056	0.105314
-2.2	-0.404097	0.113861
-2.1	-0.392283	0.122428
-2.0	-0.379613	0.130959
-1.9	-0.366094	0.139399
-1.8	-0.351738	0.147694
-1.7	-0.336562	0.155790
-1.6	-0.320588	0.163634
-1.5	-0.303845	0.171174
-1.4	-0.286365	0.178363
-1.3	-0.268188	0.185155
-1.2	-0.249349	0.191506
-1.1	-0.229900	0.197376
-1.0	-0.209891	0.202731
-1.0	-0.209891	0.202731
-0.9	-0.189372	0.207539
-0.8	-0.168402	0.211772
-0.7	-0.147038	0.215408
-0.6	-0.125341	0.218429
-0.5	-0.103373	0.220820
-0.4	-0.081198	0.222575
-0.3	-0.058880	0.223688
-0.2	-0.036482	0.224160
-0.1	-0.014069	0.223997
0.	0.008297	0.223209
0.1	0.030553	0.221810
0.2	0.052639	0.219817
0.3	0.074497	0.217252
0.4	0.096069	0.214141
0.5	0.117308	0.210511
0.6	0.138157	0.206394
0.7	0.158572	0.201823
0.8	0.178508	0.196833
0.9	0.197925	0.191462
1.0	0.216789	0.185748
1.1	0.235065	0.179731
1.2	0.252726	0.173450
1.3	0.269748	0.166946
1.4	0.286109	0.160259
1.5	0.301795	0.153429
1.6	0.316792	0.146495
1.7	0.331091	0.139493
1.8	0.344689	0.132462
1.9	0.357584	0.125436
2.0	0.369778	0.118449
2.1	0.381276	0.111531
2.2	0.392087	0.104712
2.3	0.402223	0.098019
2.4	0.411696	0.091477
2.5	0.420524	0.085109
2.6	0.428724	0.079933
2.7	0.436318	0.072987
2.8	0.443325	0.067227
2.9	0.449771	0.061725
3.0	0.455679	0.056471
3.1	0.461074	0.051474
3.2	0.465982	0.046737
3.3	0.470430	0.042266
3.4	0.474444	0.038062
3.5	0.478051	0.034124
3.5	0.478051	0.034124
3.6	0.481278	0.030450
3.7	0.484150	0.027038
3.8	0.486694	0.023877
3.9	0.488934	0.020967
4.0	0.490895	0.018298
4.1	0.492601	0.015862
4.2	0.494075	0.013648
4.3	0.495338	0.011646
4.4	0.496411	0.009847
4.5	0.497313	0.008238
4.6	0.498064	0.006808
4.7	0.498681	0.005545
4.8	0.499179	0.004438
4.9	0.499573	0.003475
5.0	0.499878	0.002645
5.1	0.500106	0.001935
5.2	0.500269	0.001336
5.3	0.500376	0.000836
5.4	0.500439	0.000425
5.5	0.500464	0.000094
5.6	0.500460	-0.000167
5.7	0.500433	-0.000366
5.8	0.500389	-0.000512
5.9	0.500332	-0.000611
6.0	0.500268	-0.000672
6.1	0.500199	-0.000700
6.2	0.500128	-0.000701
6.3	0.500059	-0.000680
6.4	0.499993	-0.000642
6.5	0.499931	-0.000592
6.6	0.499875	-0.000532
6.7	0.499825	-0.000466
6.8	0.499782	-0.000397
6.9	0.499746	-0.000327
7.0	0.499717	-0.000257
7.1	0.499694	-0.000190
7.2	0.499678	-0.000126
7.3	0.499669	-0.000067
7.4	0.499665	-0.000014
7.5	0.499666	0.000034
7.6	0.499671	0.000076
7.7	0.499681	0.000112
7.8	0.499694	0.000142
7.9	0.499709	0.000166
8.0	0.499727	0.000185

Table 45

P = 7   Q = 2   ALPHA = 4.0

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.498989	0.000228	-5.5	-0.493879	0.004730	-1.0	-0.187736	0.179869	3.5	0.458908	0.045449
-9.9	-0.498978	-0.000009	-5.4	-0.493401	0.004848	-0.9	-0.169563	0.183525	3.6	0.463266	0.041737
-9.8	-0.498991	-0.000254	-5.3	-0.492907	0.005037	-0.8	-0.151044	0.186781	3.7	0.467262	0.038218
-9.7	-0.499029	-0.000502	-5.2	-0.492391	0.005312	-0.7	-0.132221	0.189618	3.8	0.470916	0.034892
-9.6	-0.499091	-0.000749	-5.1	-0.491841	0.005694	-0.6	-0.113135	0.192025	3.9	0.474247	0.031758
-9.5	-0.499178	-0.000987	-5.0	-0.491248	0.006200	-0.5	-0.093831	0.193989	4.0	0.477274	0.028816
-9.4	-0.499288	-0.001211	-4.9	-0.490597	0.006849	-0.4	-0.074352	0.195502	4.1	0.480016	0.026061
-9.3	-0.499420	-0.001416	-4.8	-0.489873	0.007660	-0.3	-0.054745	0.196560	4.2	0.482492	0.023491
-9.2	-0.499571	-0.001596	-4.7	-0.489059	0.008652	-0.2	-0.035056	0.197157	4.3	0.484720	0.021100
-9.1	-0.499738	-0.001747	-4.6	-0.488136	0.009843	-0.1	-0.015329	0.197302	4.4	0.486718	0.018885
-9.0	-0.499919	-0.001864	-4.5	-0.487083	0.011249	0.	0.004390	0.196990	4.5	0.488503	0.016838
-8.9	-0.500110	-0.001943	-4.4	-0.485878	0.012888	0.1	0.024054	0.196230	4.6	0.490091	0.014954
-8.8	-0.500306	-0.001981	-4.3	-0.484497	0.014773	0.2	0.043621	0.195031	4.7	0.491499	0.013226
-8.7	-0.500504	-0.001976	-4.2	-0.482915	0.016917	0.3	0.063046	0.193404	4.8	0.492741	0.011647
-8.6	-0.500700	-0.001925	-4.1	-0.481105	0.019332	0.4	0.082288	0.191363	4.9	0.493833	0.010210
-8.5	-0.500888	-0.001828	-4.0	-0.479039	0.022028	0.5	0.101306	0.188923	5.0	0.494788	0.008906
-8.4	-0.501064	-0.001686	-3.9	-0.476690	0.025010	0.6	0.120060	0.186103	5.1	0.495618	0.007729
-8.3	-0.501224	-0.001499	-3.8	-0.474027	0.028285	0.7	0.138514	0.182923	5.2	0.496337	0.006671
-8.2	-0.501362	-0.001270	-3.7	-0.471023	0.031853	0.8	0.156833	0.179402	5.3	0.496956	0.005723
-8.1	-0.501476	-0.001000	-3.6	-0.467647	0.035715	0.9	0.174384	0.175566	5.4	0.497486	0.004879
-8.0	-0.501561	-0.000695	-3.5	-0.463870	0.039867	1.0	0.191737	0.171437	5.5	0.497935	0.004131
-7.9	-0.501614	-0.000359	-3.4	-0.459664	0.044303	1.1	0.208663	0.167041	5.6	0.498315	0.003471
-7.8	-0.501632	0.000004	-3.3	-0.455000	0.049014	1.2	0.225137	0.162404	5.7	0.498632	0.002892
-7.7	-0.501613	0.000388	-3.2	-0.449852	0.053989	1.3	0.241137	0.157552	5.8	0.498896	0.002387
-7.6	-0.501554	0.000785	-3.1	-0.444194	0.059212	1.4	0.256641	0.152513	5.9	0.499112	0.001950
-7.5	-0.501455	0.001191	-3.0	-0.438002	0.064668	1.5	0.271634	0.147312	6.0	0.499288	0.001575
-7.4	-0.501316	0.001597	-2.9	-0.431254	0.070336	1.6	0.286099	0.141978	6.1	0.499429	0.001254
-7.3	-0.501136	0.001997	-2.8	-0.423929	0.076193	1.7	0.300026	0.136537	6.2	0.499540	0.000983
-7.2	-0.500917	0.002385	-2.7	-0.416010	0.082217	1.8	0.313404	0.131015	6.3	0.499627	0.000756
-7.1	-0.500660	0.002755	-2.6	-0.407481	0.088379	1.9	0.326227	0.125438	6.4	0.499693	0.000568
-7.0	-0.500367	0.003100	-2.5	-0.398330	0.094651	2.0	0.338491	0.119831	6.5	0.499741	0.000414
-6.9	-0.500041	0.003418	-2.4	-0.388549	0.101003	2.1	0.350193	0.114218	6.6	0.499776	0.000290
-6.8	-0.499685	0.003698	-2.3	-0.378128	0.107404	2.2	0.361335	0.108622	6.7	0.499800	0.000193
-6.7	-0.499302	0.003944	-2.2	-0.367067	0.113821	2.3	0.371919	0.103065	6.8	0.499816	0.000117
-6.6	-0.498897	0.004151	-2.1	-0.355364	0.120221	2.4	0.381950	0.097567	6.9	0.499825	0.000061
-6.5	-0.498474	0.004318	-2.0	-0.343024	0.126568	2.5	0.391435	0.092148	7.0	0.499828	0.000020
-6.4	-0.498035	0.004446	-1.9	-0.330054	0.132829	2.6	0.400383	0.086825	7.1	0.499829	-0.000007
-6.3	-0.497586	0.004538	-1.8	-0.316462	0.138970	2.7	0.408804	0.081616	7.2	0.499827	-0.000024
-6.2	-0.497129	0.004597	-1.7	-0.302265	0.144956	2.8	0.416710	0.076533	7.3	0.499825	-0.000031
-6.1	-0.496667	0.004628	-1.6	-0.287478	0.150753	2.9	0.424115	0.071592	7.4	0.499821	-0.000032
-6.0	-0.496204	0.004638	-1.5	-0.272121	0.156331	3.0	0.431033	0.066803	7.5	0.499818	-0.000028
-5.9	-0.495740	0.004635	-1.4	-0.256220	0.161656	3.1	0.437481	0.062177	7.6	0.499816	-0.000020
-5.8	-0.495277	0.004631	-1.3	-0.239800	0.166700	3.2	0.443475	0.057722	7.7	0.499814	-0.000009
-5.7	-0.494814	0.004638	-1.2	-0.222890	0.171434	3.3	0.449031	0.053445	7.8	0.499814	0.000004
-5.6	-0.494349	0.004664	-1.1	-0.205524	0.175831	3.4	0.454170	0.049353	7.9	0.499815	0.000017
-5.5	-0.493879	0.004730	-1.0	-0.187736	0.179869	3.5	0.458908	0.045449	8.0	0.499819	0.000030

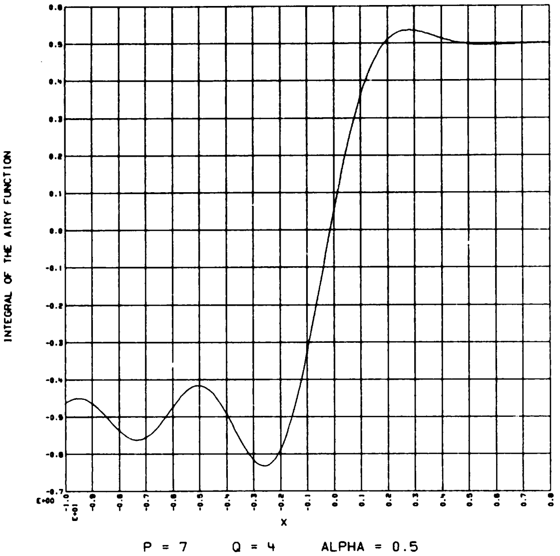


Figure 90

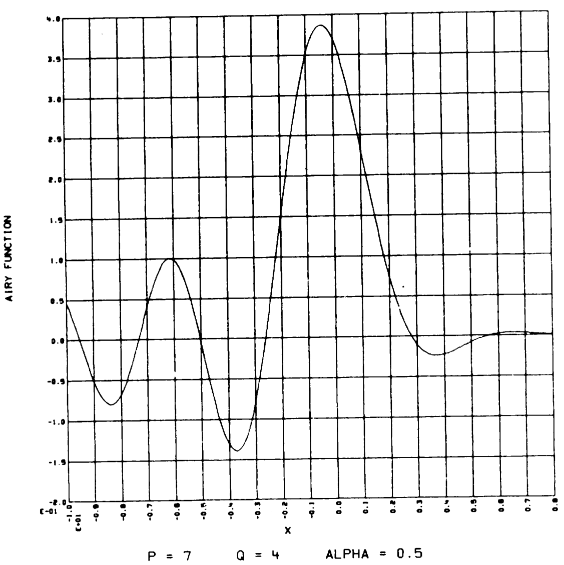
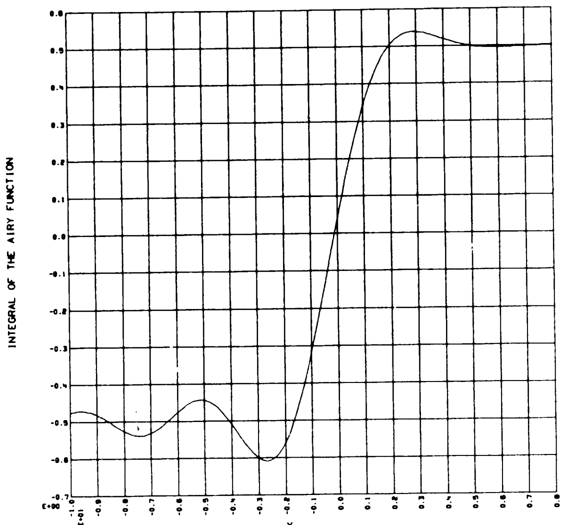


Figure 91



P = 7 Q = 4 ALPHA = 1.0

Figure 92

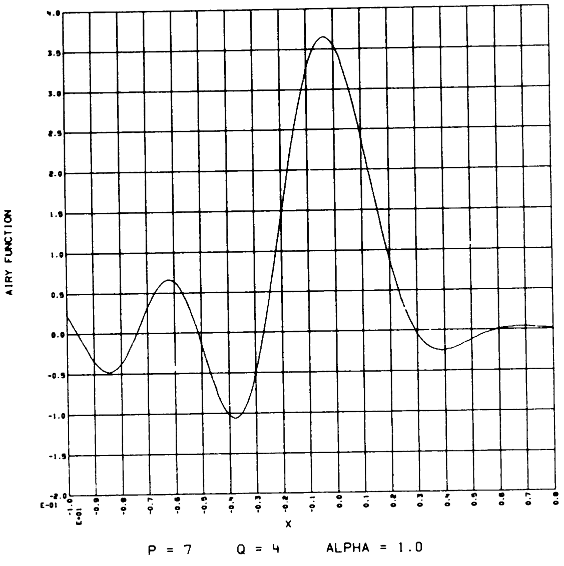


Figure 93

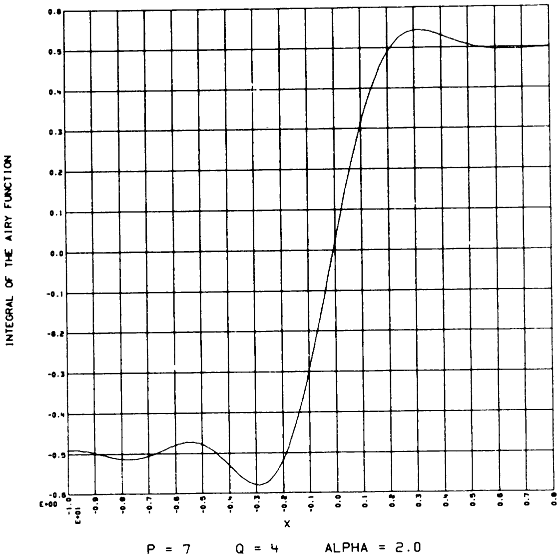
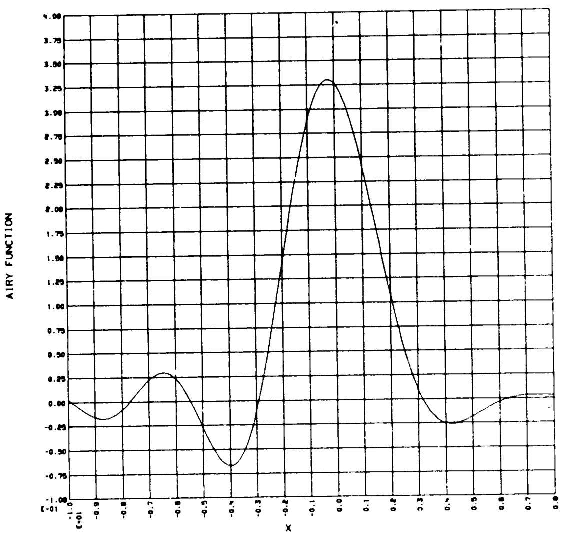
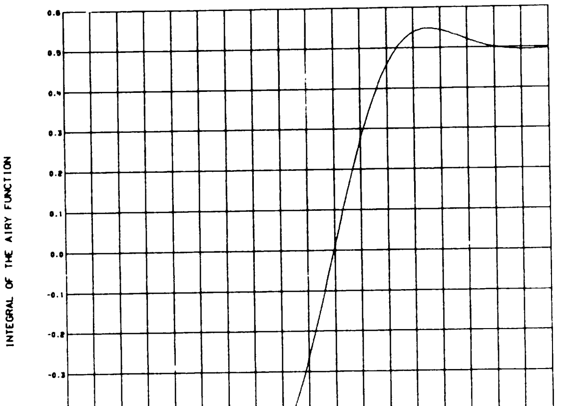


Figure 94



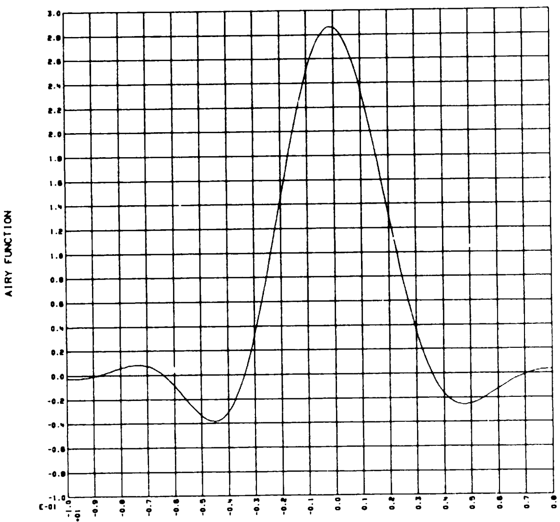
P = 7 Q = 4 ALPHA = 2.0

Figure 95



P = 7 Q = 4 ALPHA = 4.0

Figure 96



P = 7 Q = 4 ALPHA = 4.0

Figure 97

Table 46

P = 7   Q = 4   ALPHA = 0.5

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.462312	0.045717	-5.5	-0.432294	0.063689	-1.0	-0.324690	0.352336	3.5	0.525058	-0.023013
-9.9	-0.458130	0.037760	-5.4	-0.426499	0.051994	-0.9	-0.288887	0.363380	3.6	0.522716	-0.023748
-9.8	-0.454791	0.028867	-5.3	-0.421938	0.039075	-0.8	-0.252084	0.372338	3.7	0.520324	-0.024027
-9.7	-0.452382	0.019218	-5.2	-0.418718	0.025138	-0.7	-0.214490	0.379176	3.8	0.517924	-0.023901
-9.6	-0.450967	0.009010	-5.1	-0.416935	0.010408	-0.6	-0.176320	0.383883	3.9	0.515555	-0.023425
-9.5	-0.450591	-0.001544	-5.0	-0.416655	-0.004873	-0.5	-0.137785	0.386471	4.0	0.513249	-0.022647
-9.4	-0.451280	-0.012224	-4.9	-0.417919	-0.020452	-0.4	-0.099095	0.386972	4.1	0.511034	-0.021619
-9.3	-0.453033	-0.022804	-4.8	-0.420746	-0.036066	-0.3	-0.060458	0.385441	4.2	0.508932	-0.020386
-9.2	-0.455830	-0.033061	-4.7	-0.425125	-0.051449	-0.2	-0.022072	0.381948	4.3	0.506962	-0.018993
-9.1	-0.459627	-0.042773	-4.6	-0.431019	-0.066336	-0.1	0.015869	0.376585	4.4	0.505138	-0.017481
-9.0	-0.464359	-0.051730	-4.5	-0.438367	-0.080465	0.	0.053188	0.369454	4.5	0.503469	-0.015887
-8.9	-0.469941	-0.059736	-4.4	-0.447079	-0.093584	0.1	0.089705	0.360675	4.6	0.501962	-0.014243
-8.8	-0.476288	-0.066613	-4.3	-0.457042	-0.105452	0.2	0.125270	0.350379	4.7	0.500620	-0.012589
-8.7	-0.483221	-0.072203	-4.2	-0.468120	-0.115845	0.3	0.159735	0.338705	4.8	0.499444	-0.010944
-8.6	-0.490662	-0.076376	-4.1	-0.480155	-0.124560	0.4	0.192970	0.325801	4.9	0.498430	-0.009335
-8.5	-0.498445	-0.079029	-4.0	-0.492970	-0.131413	0.5	0.224860	0.311821	5.0	0.497575	-0.007783
-8.4	-0.506414	-0.080086	-3.9	-0.506370	-0.136248	0.6	0.255304	0.296921	5.1	0.496871	-0.006304
-8.3	-0.514408	-0.079509	-3.8	-0.520148	-0.138937	0.7	0.284218	0.281261	5.2	0.496311	-0.004913
-8.2	-0.522261	-0.077288	-3.7	-0.534083	-0.139379	0.8	0.311538	0.264999	5.3	0.495885	-0.003622
-8.1	-0.529811	-0.073443	-3.6	-0.547947	-0.137504	0.9	0.337203	0.248291	5.4	0.495583	-0.002437
-8.0	-0.536898	-0.068037	-3.5	-0.561505	-0.133275	1.0	0.361184	0.231291	5.5	0.495394	-0.001365
-7.9	-0.543369	-0.061157	-3.4	-0.574523	-0.126684	1.1	0.383457	0.214147	5.6	0.495306	-0.000409
-7.8	-0.549084	-0.052920	-3.3	-0.586754	-0.117758	1.2	0.404014	0.196999	5.7	0.495309	0.000431
-7.7	-0.553913	-0.043476	-3.2	-0.597998	-0.106552	1.3	0.422861	0.179981	5.8	0.495389	0.001155
-7.6	-0.557744	-0.032994	-3.1	-0.608002	-0.093153	1.4	0.440018	0.163218	5.9	0.495536	0.001766
-7.5	-0.560484	-0.021670	-3.0	-0.616559	-0.077673	1.5	0.455517	0.146824	6.0	0.495738	0.002269
-7.4	-0.562057	-0.009715	-2.9	-0.623471	-0.060255	1.6	0.469399	0.130903	6.1	0.495986	0.002669
-7.3	-0.562413	0.002644	-2.8	-0.628551	-0.041063	1.7	0.481717	0.115550	6.2	0.496269	0.002971
-7.2	-0.561523	0.015170	-2.7	-0.631631	-0.020284	1.8	0.492531	0.100844	6.3	0.496577	0.003185
-7.1	-0.559382	0.027623	-2.6	-0.632562	0.001877	1.9	0.501909	0.086858	6.4	0.496903	0.003316
-7.0	-0.556009	0.039756	-2.5	-0.631217	0.025198	2.0	0.509928	0.073848	6.5	0.497238	0.003375
-6.9	-0.551449	0.051338	-2.4	-0.627491	0.049444	2.1	0.516667	0.061263	6.6	0.497576	0.003368
-6.8	-0.545768	0.062132	-2.3	-0.621305	0.074373	2.2	0.522209	0.049737	6.7	0.497910	0.003304
-6.7	-0.539056	0.071921	-2.2	-0.612603	0.099733	2.3	0.526643	0.039096	6.8	0.498235	0.003192
-6.6	-0.531424	0.080504	-2.1	-0.601352	0.125274	2.4	0.530058	0.029352	6.9	0.498547	0.003040
-6.5	-0.523001	0.087700	-2.0	-0.587549	0.150742	2.5	0.532544	0.020511	7.0	0.498842	0.002855
-6.4	-0.513935	0.093353	-1.9	-0.571214	0.175891	2.6	0.534190	0.012567	7.1	0.499117	0.002645
-6.3	-0.504386	0.097333	-1.8	-0.552391	0.200477	2.7	0.535087	0.005506	7.2	0.499370	0.002417
-6.2	-0.494528	0.099539	-1.7	-0.531146	0.224271	2.8	0.535320	-0.000693	7.3	0.499600	0.002178
-6.1	-0.484540	0.099902	-1.6	-0.507570	0.247052	2.9	0.534976	-0.006059	7.4	0.499805	0.001930
-6.0	-0.474610	0.098386	-1.5	-0.481776	0.268617	3.0	0.534135	-0.010626	7.5	0.499986	0.001682
-5.9	-0.464926	0.094988	-1.4	-0.453894	0.288778	3.1	0.532876	-0.014434	7.6	0.500142	0.001438
-5.8	-0.455674	0.089739	-1.3	-0.424073	0.307368	3.2	0.531272	-0.017528	7.7	0.500274	0.001200
-5.7	-0.447037	0.082703	-1.2	-0.392478	0.324237	3.3	0.529393	-0.019956	7.8	0.500382	0.000973
-5.6	-0.439190	0.073977	-1.1	-0.359287	0.339261	3.4	0.527302	-0.021766	7.9	0.500469	0.000759
-5.5	-0.432294	0.063689	-1.0	-0.324690	0.352336	3.5	0.525058	-0.023013	8.0	0.500535	0.000561

Table 47

P = 7 Q = 4 ALPHA = 1.0

X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)	X	AI1(X)	AI(X)
-10.0	-0.476590	0.022171	-5.5	-0.450042	0.035833	-1.0	-0.315482	0.326246	3.5	0.531290	-0.021670
-9.9	-0.474611	0.017317	-5.4	-0.446887	0.027109	-0.9	-0.282299	0.337124	3.6	0.529040	-0.023238
-9.8	-0.473143	0.011974	-5.3	-0.444647	0.017573	-0.8	-0.248115	0.348259	3.7	0.526659	-0.024291
-9.7	-0.472229	0.006248	-5.2	-0.443395	0.007369	-0.7	-0.213107	0.353600	3.8	0.524197	-0.024875
-9.6	-0.471902	0.000254	-5.1	-0.443190	-0.003344	-0.6	-0.177456	0.359119	3.9	0.521698	-0.025038
-9.5	-0.472183	-0.005884	-5.0	-0.444075	-0.014394	-0.5	-0.141344	0.362805	4.0	0.519202	-0.024828
-9.4	-0.473079	-0.012037	-4.9	-0.446074	-0.025601	-0.4	-0.104956	0.364663	4.1	0.516744	-0.024292
-9.3	-0.474587	-0.018074	-4.8	-0.449194	-0.036777	-0.3	-0.068472	0.364719	4.2	0.514353	-0.023478
-9.2	-0.476686	-0.023866	-4.7	-0.453422	-0.047731	-0.2	-0.032071	0.363012	4.3	0.512057	-0.022425
-9.1	-0.479347	-0.029284	-4.6	-0.458727	-0.058269	-0.1	0.004074	0.359600	4.4	0.509875	-0.021181
-9.0	-0.482526	-0.034207	-4.5	-0.465056	-0.068201	0.	0.039795	0.354554	4.5	0.507825	-0.019785
-8.9	-0.486188	-0.038521	-4.4	-0.472340	-0.077340	0.1	0.074933	0.347959	4.6	0.505922	-0.018273
-8.8	-0.490207	-0.042123	-4.3	-0.480492	-0.085509	0.2	0.109338	0.339911	4.7	0.504173	-0.016683
-8.7	-0.494566	-0.044923	-4.2	-0.489404	-0.092539	0.3	0.142870	0.330516	4.8	0.502586	-0.015045
-8.6	-0.499182	-0.046846	-4.1	-0.498956	-0.098275	0.4	0.175400	0.319891	4.9	0.501165	-0.013388
-8.5	-0.503904	-0.047835	-4.0	-0.509011	-0.102577	0.5	0.206811	0.308159	5.0	0.499909	-0.011739
-8.4	-0.508697	-0.047849	-3.9	-0.519420	-0.105322	0.6	0.236999	0.295448	5.1	0.498818	-0.010121
-8.3	-0.513441	-0.046857	-3.8	-0.530020	-0.106408	0.7	0.265873	0.281889	5.2	0.497883	-0.008552
-8.2	-0.518037	-0.044888	-3.7	-0.540643	-0.105751	0.8	0.293354	0.267619	5.3	0.497103	-0.007052
-8.1	-0.522386	-0.041932	-3.6	-0.551111	-0.103291	0.9	0.319377	0.252773	5.4	0.496470	-0.005632
-8.0	-0.526392	-0.038037	-3.5	-0.561240	-0.098989	1.0	0.343893	0.237485	5.5	0.495974	-0.004305
-7.9	-0.529984	-0.033262	-3.4	-0.570847	-0.092832	1.1	0.366864	0.221888	5.6	0.495605	-0.003079
-7.8	-0.533018	-0.027683	-3.3	-0.579745	-0.084828	1.2	0.388265	0.206112	5.7	0.495354	-0.001960
-7.7	-0.535477	-0.021396	-3.2	-0.587752	-0.075009	1.3	0.408085	0.190281	5.8	0.495210	-0.000952
-7.6	-0.537277	-0.014511	-3.1	-0.594688	-0.063432	1.4	0.426323	0.174514	5.9	0.495160	-0.000057
-7.5	-0.538383	-0.007151	-3.0	-0.600382	-0.050174	1.5	0.442993	0.158923	6.0	0.495195	0.000726
-7.4	-0.538696	0.000548	-2.9	-0.604670	-0.035334	1.6	0.458117	0.143613	6.1	0.495302	0.001398
-7.3	-0.538247	0.008442	-2.8	-0.607400	-0.019029	1.7	0.471728	0.128679	6.2	0.495471	0.001962
-7.2	-0.537006	0.016379	-2.7	-0.608432	-0.001398	1.8	0.483869	0.114210	6.3	0.495691	0.002423
-7.1	-0.534975	0.024205	-2.6	-0.607640	0.017408	1.9	0.494588	0.100282	6.4	0.495952	0.002787
-7.0	-0.532174	0.031763	-2.5	-0.604917	0.037222	2.0	0.503945	0.086964	6.5	0.496245	0.003059
-6.9	-0.528636	0.038902	-2.4	-0.600168	0.057864	2.1	0.512004	0.074315	6.6	0.496561	0.003248
-6.8	-0.524412	0.045471	-2.3	-0.593322	0.079147	2.2	0.518832	0.062383	6.7	0.496892	0.003359
-6.7	-0.519566	0.051331	-2.2	-0.584324	0.100876	2.3	0.524505	0.051207	6.8	0.497231	0.003402
-6.6	-0.514174	0.056352	-2.1	-0.573139	0.122849	2.4	0.529100	0.040795	6.9	0.497570	0.003384
-6.5	-0.508327	0.060416	-2.0	-0.559753	0.144866	2.5	0.532696	0.031231	7.0	0.497906	0.003312
-6.4	-0.502126	0.063422	-1.9	-0.544171	0.166725	2.6	0.535373	0.022461	7.1	0.498231	0.003195
-6.3	-0.495681	0.065286	-1.8	-0.526420	0.188227	2.7	0.537215	0.014509	7.2	0.498543	0.003041
-6.2	-0.489109	0.065943	-1.7	-0.506544	0.209178	2.8	0.538302	0.007370	7.3	0.498838	0.002855
-6.1	-0.482534	0.065350	-1.6	-0.484609	0.229393	2.9	0.538716	0.001031	7.4	0.499114	0.002647
-6.0	-0.476082	0.063482	-1.5	-0.460696	0.248696	3.0	0.538535	-0.004527	7.5	0.499367	0.002421
-5.9	-0.469880	0.060342	-1.4	-0.434905	0.266921	3.1	0.537838	-0.009330	7.6	0.499597	0.002184
-5.8	-0.464055	0.055950	-1.3	-0.407353	0.283917	3.2	0.536693	-0.013408	7.7	0.499804	0.001940
-5.7	-0.458730	0.050353	-1.2	-0.378167	0.299548	3.3	0.535177	-0.016797	7.8	0.499986	0.001696
-5.6	-0.454023	0.043618	-1.1	-0.347493	0.313692	3.4	0.533355	-0.019537	7.9	0.500143	0.001455
-5.5	-0.450042	0.035833	-1.0	-0.315482	0.326246	3.5	0.531290	-0.021670	8.0	0.500277	0.001221

Table 48

P = 7   Q = 4   ALPHA = 2.0

X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)
-10.0	-0.490981	0.002301	-5.5	-0.472876	0.002447	-1.0	-0.296501	0.289684	3.5	0.540524	-0.015103
-9.9	-0.490848	0.000339	-5.4	-0.472903	-0.003055	-0.9	-0.267034	0.299445	3.6	0.538856	-0.018164
-9.8	-0.490916	-0.001708	-5.3	-0.473497	-0.008852	-0.8	-0.238654	0.307945	3.7	0.536910	-0.020664
-9.7	-0.491191	-0.003799	-5.2	-0.474681	-0.014862	-0.7	-0.205489	0.315130	3.8	0.534741	-0.022834
-9.6	-0.491676	-0.005889	-5.1	-0.476473	-0.020991	-0.6	-0.173673	0.320958	3.9	0.532399	-0.024109
-9.5	-0.492387	-0.007933	-5.0	-0.478880	-0.027143	-0.5	-0.141344	0.325398	4.0	0.529934	-0.025127
-9.4	-0.493259	-0.009886	-4.9	-0.481899	-0.033215	-0.4	-0.108840	0.328435	4.1	0.527388	-0.025724
-9.3	-0.494340	-0.011701	-4.8	-0.485517	-0.039101	-0.3	-0.075704	0.330082	4.2	0.524802	-0.025939
-9.2	-0.495594	-0.013335	-4.7	-0.489709	-0.044695	-0.2	-0.042675	0.330289	4.3	0.522212	-0.025812
-9.1	-0.497000	-0.014746	-4.6	-0.494442	-0.049887	-0.1	-0.009692	0.329133	4.4	0.519650	-0.025380
-9.0	-0.498534	-0.015894	-4.5	-0.499670	-0.054571	0.	0.023107	0.326628	4.5	0.517145	-0.024682
-8.9	-0.500168	-0.016746	-4.4	-0.505336	-0.058642	0.1	0.055590	0.322814	4.6	0.514721	-0.023756
-8.8	-0.501872	-0.017271	-4.3	-0.511374	-0.062000	0.2	0.087828	0.317745	4.7	0.512400	-0.022638
-8.7	-0.503611	-0.017447	-4.2	-0.517709	-0.064550	0.3	0.119099	0.311481	4.8	0.510199	-0.021362
-8.6	-0.505349	-0.017255	-4.1	-0.524254	-0.066204	0.4	0.149887	0.304093	4.9	0.508131	-0.019961
-8.5	-0.507049	-0.016685	-4.0	-0.530917	-0.066881	0.5	0.179883	0.295659	5.0	0.506209	-0.018467
-8.4	-0.508674	-0.015735	-3.9	-0.537596	-0.066513	0.6	0.208986	0.286263	5.1	0.504440	-0.016908
-8.3	-0.510184	-0.014408	-3.8	-0.544183	-0.065038	0.7	0.237106	0.275994	5.2	0.502829	-0.015312
-8.2	-0.511543	-0.012717	-3.7	-0.550565	-0.062410	0.8	0.264159	0.264949	5.3	0.501378	-0.013702
-8.1	-0.512716	-0.010682	-3.6	-0.556625	-0.058592	0.9	0.290073	0.253224	5.4	0.500086	-0.012101
-8.0	-0.513669	-0.008332	-3.5	-0.562243	-0.053561	1.0	0.314785	0.240919	5.5	0.498957	-0.010528
-7.9	-0.514373	-0.005701	-3.4	-0.567297	-0.047308	1.1	0.338241	0.228137	5.6	0.497981	-0.009001
-7.8	-0.514801	-0.002832	-3.3	-0.571654	-0.039838	1.2	0.360400	0.214978	5.7	0.497155	-0.007533
-7.7	-0.514933	0.000227	-3.2	-0.575224	-0.031169	1.3	0.381228	0.201544	5.8	0.496472	-0.006139
-7.6	-0.514751	0.003422	-3.1	-0.577859	-0.021333	1.4	0.400703	0.187934	5.9	0.495924	-0.004827
-7.5	-0.514246	0.006694	-3.0	-0.579453	-0.010376	1.5	0.418812	0.174245	6.0	0.495504	-0.003606
-7.4	-0.513412	0.009979	-2.9	-0.579899	0.001643	1.6	0.435552	0.160569	6.1	0.495200	-0.002482
-7.3	-0.512252	0.013213	-2.8	-0.579092	0.014652	1.7	0.450929	0.146997	6.2	0.495004	-0.001459
-7.2	-0.510773	0.016329	-2.7	-0.576938	0.028568	1.8	0.464958	0.133610	6.3	0.494905	-0.000539
-7.1	-0.508992	0.019259	-2.6	-0.573351	0.043297	1.9	0.477660	0.120489	6.4	0.494893	0.000278
-7.0	-0.506930	0.021937	-2.5	-0.568255	0.058735	2.0	0.489067	0.107706	6.5	0.494957	0.000991
-6.9	-0.504615	0.024297	-2.4	-0.561585	0.074788	2.1	0.499215	0.095327	6.6	0.495087	0.001603
-6.8	-0.502083	0.026280	-2.3	-0.553286	0.091276	2.2	0.508148	0.083412	6.7	0.495274	0.002117
-6.7	-0.499374	0.027828	-2.2	-0.543318	0.108134	2.3	0.515914	0.072012	6.8	0.495508	0.002538
-6.6	-0.496534	0.028890	-2.1	-0.531652	0.125209	2.4	0.522569	0.061173	6.9	0.495779	0.002871
-6.5	-0.493613	0.029423	-2.0	-0.518273	0.142368	2.5	0.528169	0.050932	7.0	0.496079	0.003120
-6.4	-0.490668	0.029390	-1.9	-0.503180	0.159474	2.6	0.532776	0.041322	7.1	0.496400	0.003293
-6.3	-0.487755	0.028764	-1.8	-0.486385	0.176392	2.7	0.536455	0.032364	7.2	0.496735	0.003396
-6.2	-0.484936	0.027526	-1.7	-0.467912	0.192986	2.8	0.539271	0.024077	7.3	0.497077	0.003436
-6.1	-0.482271	0.025669	-1.6	-0.447802	0.209125	2.9	0.541293	0.016470	7.4	0.497421	0.003419
-6.0	-0.479822	0.023196	-1.5	-0.426107	0.224681	3.0	0.542588	0.009546	7.5	0.497760	0.003354
-5.9	-0.477652	0.020120	-1.4	-0.402890	0.239530	3.1	0.543225	0.003302	7.6	0.498090	0.003244
-5.8	-0.475818	0.016466	-1.3	-0.378228	0.253558	3.2	0.543271	-0.002268	7.7	0.498407	0.003100
-5.7	-0.474377	0.012269	-1.2	-0.352209	0.266657	3.3	0.542793	-0.007180	7.8	0.498709	0.002926
-5.6	-0.473380	0.007578	-1.1	-0.324931	0.278728	3.4	0.541857	-0.011451	7.9	0.498992	0.002729
-5.5	-0.472876	0.002447	-1.0	-0.296501	0.289684	3.5	0.540524	-0.015103	8.0	0.499254	0.002515

Table 49

P = 7 Q = 4 ALPHA = 4.C

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.500199	-0.002488	-5.5	-0.499489	-0.021979	-1.0	-0.266237	0.250729	3.5	0.547689	0.003033
-9.9	-0.500455	-0.002626	-5.4	-0.501818	-0.024594	-0.9	-0.240786	0.258153	3.6	0.547744	-0.001846
-9.8	-0.500722	-0.002715	-5.3	-0.504405	-0.027112	-0.8	-0.214633	0.264786	3.7	0.547337	-0.006225
-9.7	-0.500996	-0.002748	-5.2	-0.507236	-0.029488	-0.7	-0.187857	0.270587	3.8	0.546516	-0.010113
-9.6	-0.501270	-0.002719	-5.1	-0.510298	-0.031677	-0.6	-0.160544	0.275521	3.9	0.545330	-0.013522
-9.5	-0.501537	-0.002625	-5.0	-0.513564	-0.033640	-0.5	-0.132782	0.279560	4.0	0.543827	-0.016464
-9.4	-0.501792	-0.002462	-4.9	-0.517015	-0.035323	-0.4	-0.104863	0.282682	4.1	0.542052	-0.018958
-9.3	-0.502027	-0.002226	-4.8	-0.520618	-0.036682	-0.3	-0.076277	0.284871	4.2	0.540049	-0.021023
-9.2	-0.502235	-0.001919	-4.7	-0.524339	-0.037673	-0.2	-0.047720	0.286119	4.3	0.537861	-0.022680
-9.1	-0.502409	-0.001538	-4.6	-0.528139	-0.038251	-0.1	-0.019085	0.286422	4.4	0.535526	-0.023951
-9.0	-0.502540	-0.001087	-4.5	-0.531974	-0.038373	0.	0.009533	0.285787	4.5	0.533083	-0.024860
-8.9	-0.502624	-0.000569	-4.4	-0.535797	-0.038000	0.1	0.038042	0.284224	4.6	0.530565	-0.0254340
-8.8	-0.502652	0.000012	-4.3	-0.539556	-0.037094	0.2	0.066348	0.281750	4.7	0.528006	-0.025699
-8.7	-0.502619	0.000649	-4.2	-0.543197	-0.035622	0.3	0.094362	0.278390	4.8	0.525435	-0.025680
-8.6	-0.502521	0.001332	-4.1	-0.546661	-0.033551	0.4	0.121997	0.274171	4.9	0.522879	-0.025406
-8.5	-0.502352	0.002054	-4.0	-0.549887	-0.030858	0.5	0.149169	0.269131	5.0	0.520382	-0.024902
-8.4	-0.502109	0.002802	-3.9	-0.552811	-0.027520	0.6	0.175797	0.263308	5.1	0.517905	-0.024196
-8.3	-0.501791	0.003563	-3.8	-0.555368	-0.023521	0.7	0.201806	0.256747	5.2	0.515528	-0.023315
-8.2	-0.501397	0.004323	-3.7	-0.557493	-0.018849	0.8	0.227124	0.249499	5.3	0.513247	-0.022283
-8.1	-0.500927	0.005067	-3.6	-0.559116	-0.013501	0.9	0.251684	0.241614	5.4	0.511076	-0.021126
-8.0	-0.500384	0.005779	-3.5	-0.560170	-0.007476	1.0	0.275427	0.233150	5.5	0.509025	-0.019868
-7.9	-0.499773	0.006443	-3.4	-0.560589	-0.000781	1.1	0.298297	0.224185	5.6	0.507105	-0.018531
-7.8	-0.499098	0.007039	-3.3	-0.560395	0.006571	1.2	0.320245	0.214720	5.7	0.505321	-0.017137
-7.7	-0.498368	0.007551	-3.2	-0.559253	0.014580	1.3	0.341228	0.204878	5.8	0.503679	-0.015705
-7.6	-0.497591	0.007961	-3.1	-0.557372	0.023163	1.4	0.361209	0.194703	5.9	0.502181	-0.014255
-7.5	-0.496779	0.008253	-3.0	-0.554601	0.032347	1.5	0.380159	0.184258	6.0	0.500828	-0.012804
-7.4	-0.495945	0.008408	-2.9	-0.550885	0.042075	1.6	0.398054	0.173608	6.1	0.499619	-0.011367
-7.3	-0.495103	0.008411	-2.8	-0.546170	0.052304	1.7	0.414878	0.162818	6.2	0.498553	-0.009957
-7.2	-0.494268	0.008249	-2.7	-0.540409	0.062987	1.8	0.430615	0.151948	6.3	0.497627	-0.008589
-7.1	-0.493459	0.007908	-2.6	-0.533559	0.074070	1.9	0.445265	0.141061	6.4	0.496834	-0.007271
-7.0	-0.492693	0.007378	-2.5	-0.525583	0.085494	2.0	0.458829	0.130216	6.5	0.496170	-0.006014
-6.9	-0.491990	0.006650	-2.4	-0.516451	0.097199	2.1	0.471312	0.119470	6.6	0.495629	-0.004825
-6.8	-0.491370	0.005717	-2.3	-0.506138	0.109117	2.2	0.482720	0.108876	6.7	0.495203	-0.003710
-6.7	-0.490854	0.004577	-2.2	-0.494622	0.121181	2.3	0.493094	0.098486	6.8	0.494884	-0.002675
-6.6	-0.490462	0.003229	-2.1	-0.481898	0.133319	2.4	0.502433	0.088347	6.9	0.494665	-0.001722
-6.5	-0.490215	0.001676	-2.0	-0.467959	0.145458	2.5	0.510773	0.078503	7.0	0.494537	-0.000854
-6.4	-0.490133	-0.000076	-1.9	-0.452809	0.157523	2.6	0.518145	0.068995	7.1	0.494491	-0.000073
-6.3	-0.490236	-0.002016	-1.8	-0.436459	0.169439	2.7	0.524584	0.059857	7.2	0.494520	0.000623
-6.2	-0.490542	-0.004132	-1.7	-0.418928	0.181132	2.8	0.530130	0.051123	7.3	0.494613	0.001233
-6.1	-0.491068	-0.006406	-1.6	-0.400242	0.192526	2.9	0.534823	0.042819	7.4	0.494763	0.001761
-6.0	-0.491828	-0.008818	-1.5	-0.380435	0.203550	3.0	0.538709	0.034968	7.5	0.494962	0.002207
-5.9	-0.492835	-0.011344	-1.4	-0.359547	0.214131	3.1	0.541833	0.027590	7.6	0.495202	0.002576
-5.8	-0.494100	-0.013955	-1.3	-0.337626	0.224203	3.2	0.544243	0.020699	7.7	0.495475	0.002872
-5.7	-0.495628	-0.016621	-1.2	-0.314726	0.233700	3.3	0.545989	0.014306	7.8	0.495774	0.003099
-5.6	-0.497425	-0.019308	-1.1	-0.290907	0.242561	3.4	0.547121	0.008416	7.9	0.496093	0.003260
-5.5	-0.499489	-0.021979	-1.0	-0.266237	0.250729	3.5	0.547689	0.003033	8.0	0.496424	0.003363

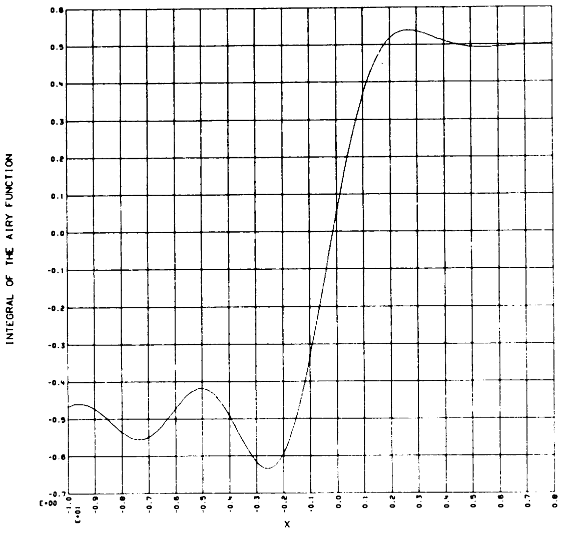


Figure 98

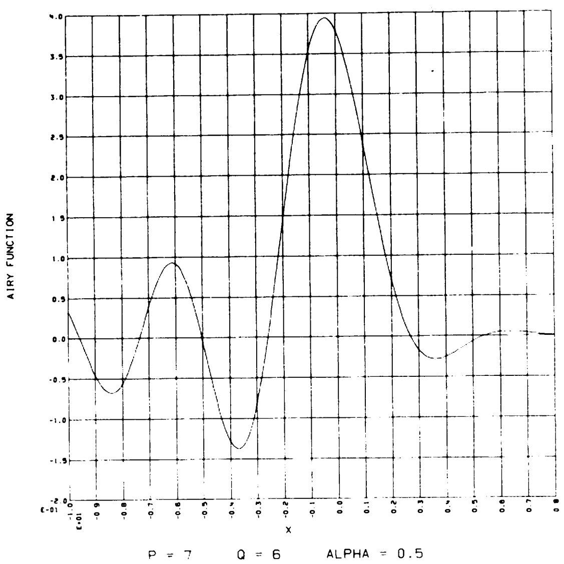


Figure 99

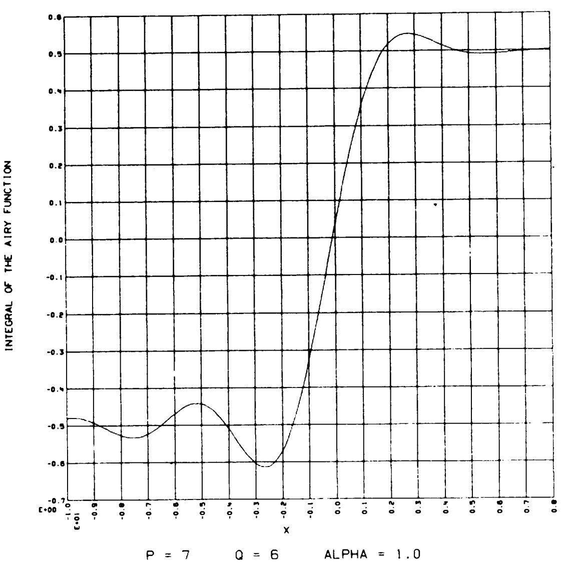
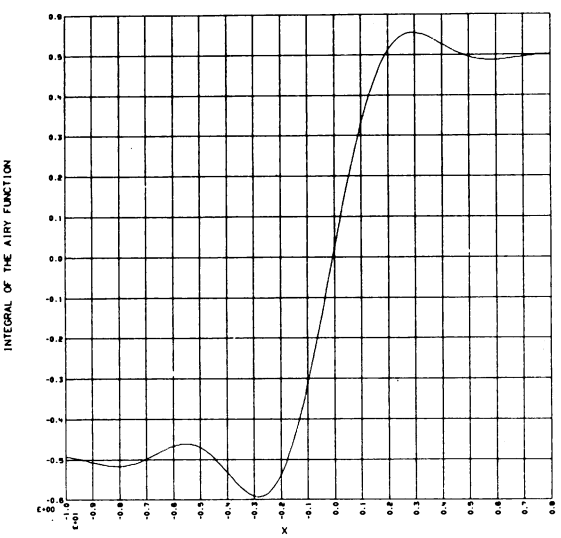


Figure 100

Table 53

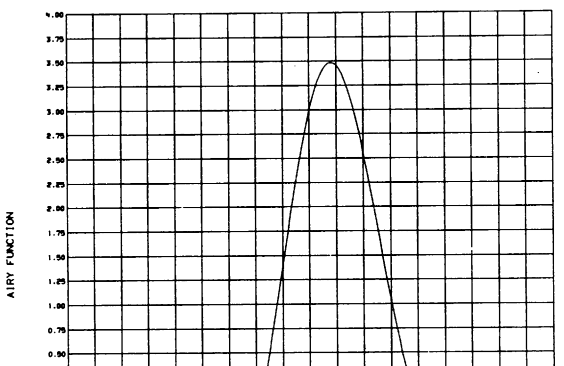
P = 7   Q = 6   ALPHA = 4.0

X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)
-10.0	-0.504773	-0.008304	-5.5	-0.480771	-0.026971	-1.0	-0.290370	0.270681	3.5	0.559035	-0.019207
-9.9	-0.505594	-0.008097	-5.4	-0.483679	-0.031184	-0.9	-0.262846	0.279661	3.6	0.556864	-0.024087
-9.8	-0.506388	-0.007751	-5.3	-0.487000	-0.035248	-0.8	-0.234469	0.287716	3.7	0.554240	-0.028295
-9.7	-0.507140	-0.007284	-5.2	-0.490723	-0.039166	-0.7	-0.205335	0.294792	3.8	0.551227	-0.031846
-9.6	-0.507836	-0.006633	-5.1	-0.494826	-0.042881	-0.6	-0.175545	0.300845	3.9	0.547892	-0.034758
-9.5	-0.508462	-0.005859	-5.0	-0.499285	-0.046275	-0.5	-0.145202	0.305836	4.0	0.544296	-0.037053
-9.4	-0.509003	-0.004943	-4.9	-0.504070	-0.049351	-0.4	-0.114414	0.309735	4.1	0.540501	-0.038758
-9.3	-0.509446	-0.003891	-4.8	-0.509142	-0.052030	-0.3	-0.083292	0.312518	4.2	0.536563	-0.039902
-9.2	-0.509777	-0.002708	-4.7	-0.514461	-0.054256	-0.2	-0.051948	0.314173	4.3	0.532538	-0.040518
-9.1	-0.509983	-0.001405	-4.6	-0.519977	-0.055974	-0.1	-0.020495	0.314892	4.4	0.528476	-0.040642
-9.0	-0.510054	0.000010	-4.5	-0.525637	-0.057132	0.	0.010953	0.314077	4.5	0.524425	-0.040309
-8.9	-0.509978	0.001520	-4.4	-0.531383	-0.057680	0.1	0.042283	0.312339	4.6	0.520428	-0.039561
-8.8	-0.509747	0.003111	-4.3	-0.537151	-0.057573	0.2	0.073384	0.309495	4.7	0.516525	-0.038435
-8.7	-0.509354	0.004766	-4.2	-0.542874	-0.056768	0.3	0.104146	0.305571	4.8	0.512752	-0.036975
-8.6	-0.508792	0.006464	-4.1	-0.548480	-0.055228	0.4	0.134463	0.300600	4.9	0.509140	-0.035220
-8.5	-0.508060	0.008184	-4.0	-0.553894	-0.052922	0.5	0.164232	0.294623	5.0	0.505717	-0.033213
-8.4	-0.507156	0.009904	-3.9	-0.559038	-0.049823	0.6	0.193355	0.287686	5.1	0.502505	-0.030994
-8.3	-0.506080	0.011598	-3.8	-0.563832	-0.045910	0.7	0.221739	0.279844	5.2	0.499524	-0.028604
-8.2	-0.504838	0.013242	-3.7	-0.568193	-0.041171	0.8	0.249298	0.271154	5.3	0.496788	-0.026081
-8.1	-0.503434	0.014810	-3.6	-0.572038	-0.035597	0.9	0.275944	0.261681	5.4	0.494310	-0.023464
-8.0	-0.501879	0.016274	-3.5	-0.575284	-0.029190	1.0	0.301608	0.251494	5.5	0.492098	-0.020788
-7.9	-0.500184	0.017609	-3.4	-0.577848	-0.021955	1.1	0.326221	0.240665	5.6	0.490154	-0.018088
-7.8	-0.498363	0.018787	-3.3	-0.579648	-0.013907	1.2	0.349722	0.229269	5.7	0.488480	-0.015395
-7.7	-0.496432	0.019783	-3.2	-0.580604	-0.005069	1.3	0.372059	0.217388	5.8	0.487073	-0.012738
-7.6	-0.494413	0.020571	-3.1	-0.580637	0.004532	1.4	0.393186	0.205095	5.9	0.485930	-0.010145
-7.5	-0.492328	0.021128	-3.0	-0.579673	0.014858	1.5	0.413067	0.192478	6.0	0.485042	-0.007640
-7.4	-0.490196	0.021433	-2.9	-0.577642	0.025867	1.6	0.431674	0.179616	6.1	0.484398	-0.005245
-7.3	-0.488048	0.021465	-2.8	-0.574478	0.037509	1.7	0.448985	0.166592	6.2	0.483988	-0.002978
-7.2	-0.485912	0.021206	-2.7	-0.570121	0.049726	1.8	0.464989	0.153485	6.3	0.483798	-0.000856
-7.1	-0.483817	0.020844	-2.6	-0.564516	0.062458	1.9	0.479682	0.140375	6.4	0.483812	0.001109
-7.0	-0.481794	0.019784	-2.5	-0.557615	0.075636	2.0	0.493067	0.127339	6.5	0.484014	0.002905
-6.9	-0.479875	0.018561	-2.4	-0.549376	0.089187	2.1	0.505155	0.114450	6.6	0.484387	0.004524
-6.8	-0.478093	0.017030	-2.3	-0.539768	0.103033	2.2	0.515984	0.101781	6.7	0.484913	0.005962
-6.7	-0.476480	0.015170	-2.2	-0.528783	0.117093	2.3	0.525520	0.089398	6.8	0.485573	0.007216
-6.6	-0.475070	0.012985	-2.1	-0.516345	0.131282	2.4	0.533854	0.077384	6.9	0.486350	0.008284
-6.5	-0.473894	0.010483	-2.0	-0.502505	0.145513	2.5	0.541007	0.065737	7.0	0.487224	0.009168
-6.4	-0.472983	0.007678	-1.9	-0.487244	0.159697	2.6	0.547018	0.054570	7.1	0.488178	0.009873
-6.3	-0.472368	0.004585	-1.8	-0.470570	0.173745	2.7	0.551938	0.043912	7.2	0.489193	0.010403
-6.2	-0.472075	0.001228	-1.7	-0.452502	0.187565	2.8	0.555819	0.033803	7.3	0.490253	0.010766
-6.1	-0.472130	-0.002369	-1.6	-0.433068	0.201069	2.9	0.558718	0.024282	7.4	0.491341	0.010970
-6.0	-0.472556	-0.006173	-1.5	-0.412302	0.214168	3.0	0.560696	0.015379	7.5	0.492442	0.011025
-5.9	-0.473371	-0.010152	-1.4	-0.390250	0.226776	3.1	0.561815	0.007118	7.6	0.493541	0.010942
-5.8	-0.474591	-0.014265	-1.3	-0.366966	0.238809	3.2	0.562142	-0.000481	7.7	0.494626	0.010733
-5.7	-0.476227	-0.018471	-1.2	-0.342510	0.250187	3.3	0.561742	-0.007405	7.8	0.495684	0.010409
-5.6	-0.478286	-0.022723	-1.1	-0.316953	0.260834	3.4	0.560683	-0.013648	7.9	0.496704	0.009984
-5.5	-0.480771	-0.026971	-1.0	-0.290370	0.270681	3.5	0.559035	-0.019207	8.0	0.497678	0.009471



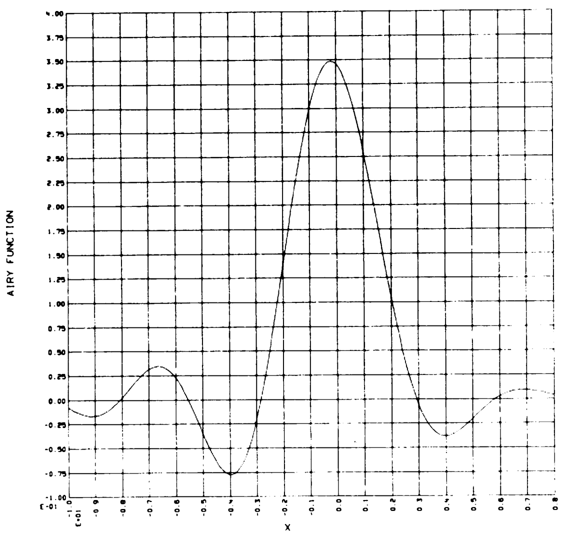
P = 7 Q = 6 ALPHA = 2.0

Figure 102



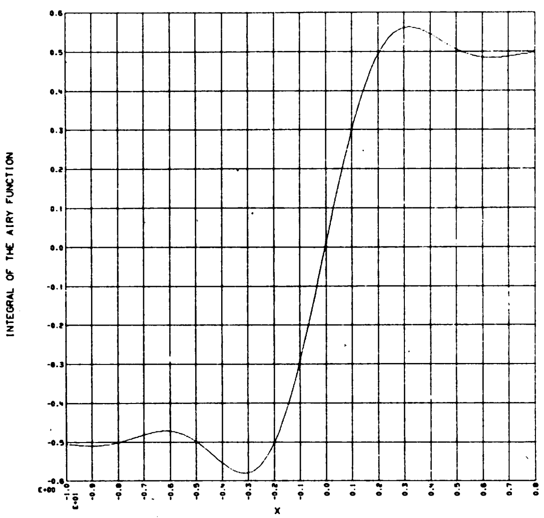
P = 7 Q = 6 ALPHA = 2.0

Figure 103



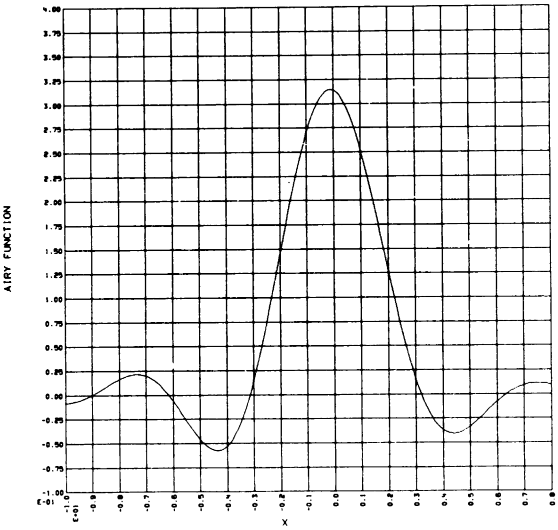
P = 7   Q = 6   ALPHA = 2.0

Figure 103



P = 7   Q = 6   ALPHA = 4.0

Figure 104



P = 7 Q = 6 ALPHA = 4.0

Figure 105

Table 50

P = 7   Q = 6   ALPHA = 0.5

X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)	X	AII(X)	AI(X)
-10.0	-0.467462	0.033039	-5.5	-0.433265	0.059846	-1.0	-0.332353	0.354717	3.5	0.524207	-0.028232
-9.9	-0.464480	0.026478	-5.4	-0.427833	0.048781	-0.9	-0.296262	0.366788	3.6	0.521364	-0.028546
-9.8	-0.462191	0.019193	-5.3	-0.423549	0.036723	-0.8	-0.259071	0.376695	3.7	0.518514	-0.028370
-9.7	-0.460661	0.011325	-5.2	-0.420522	0.023654	-0.7	-0.220995	0.384453	3.8	0.515704	-0.027762
-9.6	-0.459940	0.003031	-5.1	-0.418845	0.009776	-0.6	-0.182253	0.390015	3.9	0.512974	-0.026785
-9.5	-0.460063	-0.005523	-5.0	-0.418587	-0.004692	-0.5	-0.143066	0.393378	4.0	0.510358	-0.025497
-9.4	-0.461047	-0.014162	-4.9	-0.419795	-0.019517	-0.4	-0.103650	0.394564	4.1	0.507883	-0.023954
-9.3	-0.462892	-0.022705	-4.8	-0.422494	-0.034455	-0.3	-0.064224	0.393615	4.2	0.505574	-0.022210
-9.2	-0.465579	-0.030972	-4.7	-0.426682	-0.049256	-0.2	-0.024997	0.390595	4.3	0.503447	-0.020315
-9.1	-0.469072	-0.038784	-4.6	-0.432332	-0.063869	-0.1	0.013829	0.385586	4.4	0.501514	-0.018318
-9.0	-0.473315	-0.045970	-4.5	-0.439394	-0.077443	0.	0.052058	0.378689	4.5	0.499783	-0.016261
-8.9	-0.478239	-0.052368	-4.4	-0.447791	-0.090332	0.1	0.089507	0.370020	4.6	0.498263	-0.014183
-8.8	-0.483758	-0.057829	-4.3	-0.457423	-0.102101	0.2	0.126007	0.359709	4.7	0.496948	-0.012120
-8.7	-0.489770	-0.062223	-4.2	-0.468167	-0.112526	0.3	0.161399	0.347897	4.8	0.495837	-0.010103
-8.6	-0.496163	-0.065438	-4.1	-0.479877	-0.121400	0.4	0.195541	0.334736	4.9	0.494925	-0.008159
-8.5	-0.502815	-0.067384	-4.0	-0.492389	-0.128537	0.5	0.228307	0.320385	5.0	0.494202	-0.006310
-8.4	-0.509595	-0.067994	-3.9	-0.505521	-0.133770	0.6	0.259584	0.305009	5.1	0.493659	-0.004575
-8.3	-0.516368	-0.067230	-3.8	-0.519075	-0.136959	0.7	0.289280	0.288773	5.2	0.493283	-0.002989
-8.2	-0.522995	-0.065078	-3.7	-0.532841	-0.137992	0.8	0.317316	0.271848	5.3	0.493060	-0.001503
-8.1	-0.529338	-0.061554	-3.6	-0.546598	-0.136782	0.9	0.343632	0.254401	5.4	0.492977	-0.000184
-8.0	-0.535261	-0.056698	-3.5	-0.560121	-0.133275	1.0	0.368184	0.236597	5.5	0.493019	0.000933
-7.9	-0.540635	-0.050581	-3.4	-0.573176	-0.127445	1.1	0.390945	0.218597	5.6	0.493169	0.001937
-7.8	-0.545338	-0.043296	-3.3	-0.585532	-0.119300	1.2	0.411902	0.200555	5.7	0.493413	0.002858
-7.7	-0.549260	-0.034985	-3.2	-0.596960	-0.108875	1.3	0.431059	0.182617	5.8	0.493736	0.003571
-7.6	-0.552301	-0.025729	-3.1	-0.607233	-0.098237	1.4	0.448434	0.164923	5.9	0.494122	0.004141
-7.5	-0.554381	-0.015749	-3.0	-0.616137	-0.081481	1.5	0.464056	0.147600	6.0	0.494559	0.004574
-7.4	-0.555432	-0.005208	-2.9	-0.623464	-0.064731	1.6	0.477970	0.130764	6.1	0.495033	0.004880
-7.3	-0.555409	0.005709	-2.8	-0.629021	-0.046134	1.7	0.490229	0.114522	6.2	0.495531	0.005068
-7.2	-0.554285	0.016791	-2.7	-0.632634	-0.025863	1.8	0.500897	0.098967	6.3	0.496043	0.005149
-7.1	-0.552053	0.027832	-2.6	-0.634144	-0.004109	1.9	0.510048	0.084179	6.4	0.496558	0.005134
-7.0	-0.548727	0.038618	-2.5	-0.633414	0.018915	2.0	0.517761	0.070225	6.5	0.497067	0.005034
-6.9	-0.544345	0.048938	-2.4	-0.630326	0.042985	2.1	0.524123	0.057162	6.6	0.497562	0.004861
-6.8	-0.538962	0.058586	-2.3	-0.624790	0.067862	2.2	0.529224	0.045032	6.7	0.498037	0.004626
-6.7	-0.532656	0.067365	-2.2	-0.616735	0.093301	2.3	0.533161	0.033863	6.8	0.498486	0.004342
-6.6	-0.525524	0.075091	-2.1	-0.606119	0.119048	2.4	0.536030	0.023676	6.9	0.498904	0.004017
-6.5	-0.517679	0.081597	-2.0	-0.592924	0.144850	2.5	0.537929	0.014476	7.0	0.499288	0.003663
-6.4	-0.509250	0.086733	-1.9	-0.577156	0.170454	2.6	0.538958	0.006260	7.1	0.499638	0.003290
-6.3	-0.500382	0.090375	-1.8	-0.558848	0.195612	2.7	0.539214	-0.000988	7.2	0.499946	0.002905
-6.2	-0.491229	0.092422	-1.7	-0.538056	0.220084	2.8	0.538792	-0.007285	7.3	0.500217	0.002517
-6.1	-0.481953	0.092800	-1.6	-0.514862	0.243637	2.9	0.537787	-0.012667	7.4	0.500449	0.002133
-6.0	-0.472726	0.091466	-1.5	-0.489367	0.266055	3.0	0.536288	-0.017171	7.5	0.500644	0.001759
-5.9	-0.463718	0.088403	-1.4	-0.461695	0.287137	3.1	0.534381	-0.020841	7.6	0.500801	0.001400
-5.8	-0.455102	0.083629	-1.3	-0.431990	0.306697	3.2	0.532146	-0.023727	7.7	0.500924	0.001061
-5.7	-0.447048	0.077189	-1.2	-0.400412	0.324573	3.3	0.529660	-0.025882	7.8	0.501014	0.000748
-5.6	-0.439717	0.069159	-1.1	-0.367137	0.340619	3.4	0.526992	-0.027364	7.9	0.501074	0.000456
-5.5	-0.433265	0.059846	-1.0	-0.332353	0.354717	3.5	0.524207	-0.028232	8.0	0.501106	0.000195

Table 52

P = 7   Q = 6   ALPHA = 2.0

X	AI'(X)	AI(X)
-10.0	-0.493603	-0.007783
-9.9	-0.494483	-0.009415
-9.8	-0.495483	-0.010962
-9.7	-0.496652	-0.012391
-9.6	-0.497956	-0.013669
-9.5	-0.499379	-0.014765
-9.4	-0.500902	-0.015648
-9.3	-0.502501	-0.016291
-9.2	-0.504151	-0.016668
-9.1	-0.505825	-0.016760
-9.0	-0.507493	-0.016548
-8.9	-0.509124	-0.016021
-8.8	-0.510687	-0.015171
-8.7	-0.512148	-0.013996
-8.6	-0.513475	-0.012500
-8.5	-0.514637	-0.010691
-8.4	-0.515603	-0.008585
-8.3	-0.516345	-0.006203
-8.2	-0.516836	-0.003573
-8.1	-0.517052	-0.000726
-8.0	-0.516975	0.002299
-7.9	-0.516580	0.005460
-7.8	-0.515880	0.008709
-7.7	-0.514845	0.011996
-7.6	-0.513482	0.015266
-7.5	-0.511794	0.018464
-7.4	-0.509793	0.021532
-7.3	-0.507494	0.024410
-7.2	-0.504919	0.027042
-7.1	-0.502098	0.029369
-7.0	-0.499058	0.031338
-6.9	-0.495842	0.032896
-6.8	-0.492494	0.033997
-6.7	-0.489060	0.034602
-6.6	-0.485592	0.034662
-6.5	-0.482146	0.034161
-6.4	-0.478779	0.033072
-6.3	-0.475552	0.031380
-6.2	-0.472524	0.029081
-6.1	-0.469756	0.026179
-6.0	-0.467308	0.022686
-5.9	-0.465237	0.018625
-5.8	-0.463600	0.014030
-5.7	-0.462448	0.008942
-5.6	-0.461827	0.003412
-5.5	-0.461778	-0.002498

X	AI'(X)	AI(X)
-5.5	-0.461778	0.002498
-5.4	-0.462337	-0.008720
-5.3	-0.463530	-0.015178
-5.2	-0.465377	-0.021787
-5.1	-0.467889	-0.028457
-5.0	-0.471068	-0.035094
-4.9	-0.474904	-0.041597
-4.8	-0.479379	-0.047865
-4.7	-0.484465	-0.053794
-4.6	-0.490123	-0.059279
-4.5	-0.496303	-0.064218
-4.4	-0.502945	-0.068510
-4.3	-0.509980	-0.072056
-4.2	-0.517329	-0.074766
-4.1	-0.524903	-0.076553
-4.0	-0.532606	-0.077339
-3.9	-0.540335	-0.077053
-3.8	-0.547979	-0.075636
-3.7	-0.555422	-0.073038
-3.6	-0.562545	-0.069221
-3.5	-0.569225	-0.064159
-3.4	-0.575335	-0.057840
-3.3	-0.580751	-0.050263
-3.2	-0.585346	-0.041442
-3.1	-0.588999	-0.031404
-3.0	-0.591580	-0.020189
-2.9	-0.592999	-0.007852
-2.8	-0.593123	0.005543
-2.7	-0.591858	0.019915
-2.6	-0.589111	0.035176
-2.5	-0.584797	0.051224
-2.4	-0.578843	0.067949
-2.3	-0.571188	0.085234
-2.2	-0.561782	0.102951
-2.1	-0.550588	0.120968
-2.0	-0.537583	0.139150
-1.9	-0.522757	0.157355
-1.8	-0.506116	0.175443
-1.7	-0.487677	0.193272
-1.6	-0.467475	0.210702
-1.5	-0.445555	0.227595
-1.4	-0.421978	0.243817
-1.3	-0.396818	0.259240
-1.2	-0.370161	0.273744
-1.1	-0.342104	0.287216
-1.0	-0.312755	0.299551

X	AI'(X)	AI(X)
-1.0	-0.312755	0.299551
-0.9	-0.282234	0.310657
-0.8	-0.250688	0.320451
-0.7	-0.218190	0.328863
-0.6	-0.184943	0.335835
-0.5	-0.151073	0.341322
-0.4	-0.116729	0.345293
-0.3	-0.082065	0.347731
-0.2	-0.047235	0.348629
-0.1	-0.012391	0.347998
0.	0.022315	0.345859
0.1	0.056732	0.342247
0.2	0.090716	0.337208
0.3	0.124128	0.330801
0.4	0.156833	0.323095
0.5	0.188706	0.314167
0.6	0.219629	0.304106
0.7	0.249493	0.293007
0.8	0.278199	0.280970
0.9	0.305659	0.268104
1.0	0.331796	0.254519
1.1	0.356543	0.240330
1.2	0.379846	0.225653
1.3	0.401661	0.210605
1.4	0.421958	0.195303
1.5	0.440717	0.179860
1.6	0.457929	0.164390
1.7	0.473598	0.149000
1.8	0.487735	0.133793
1.9	0.500366	0.118868
2.0	0.511521	0.104316
2.1	0.521244	0.090222
2.2	0.529584	0.076663
2.3	0.536597	0.063707
2.4	0.542347	0.051417
2.5	0.546904	0.039843
2.6	0.550341	0.029028
2.7	0.552736	0.019007
2.8	0.554170	0.009806
2.9	0.554725	0.001441
3.0	0.554486	-0.006079
3.1	0.553538	-0.012754
3.2	0.551963	-0.018592
3.3	0.549847	-0.023607
3.4	0.547269	-0.027821
3.5	0.544308	-0.031261

X	AI'(X)	AI(X)
3.5	0.544308	-0.031261
3.6	0.541041	-0.033960
3.7	0.537540	-0.035956
3.8	0.533872	-0.037292
3.9	0.530102	-0.038014
4.0	0.526288	-0.038169
4.1	0.522485	-0.037808
4.2	0.518742	-0.036985
4.3	0.515102	-0.035751
4.4	0.511604	-0.034161
4.5	0.508280	-0.032268
4.6	0.505158	-0.030123
4.7	0.502262	-0.027776
4.8	0.499608	-0.025278
4.9	0.497210	-0.022673
5.0	0.495075	-0.020007
5.1	0.493209	-0.017318
5.2	0.491611	-0.014646
5.3	0.490278	-0.012023
5.4	0.489204	-0.009481
5.5	0.488379	-0.007046
5.6	0.487790	-0.004741
5.7	0.487425	-0.002586
5.8	0.487268	-0.000595
5.9	0.487300	0.001218
6.0	0.487505	0.002844
6.1	0.487863	0.004280
6.2	0.488355	0.005521
6.3	0.488961	0.006569
6.4	0.489662	0.007426
6.5	0.490440	0.008099
6.6	0.491276	0.008593
6.7	0.492153	0.008920
6.8	0.493055	0.009089
6.9	0.493965	0.009112
7.0	0.494873	0.009003
7.1	0.495762	0.008775
7.2	0.496624	0.008443
7.3	0.497448	0.008021
7.4	0.498226	0.007523
7.5	0.498950	0.006963
7.6	0.499617	0.006356
7.7	0.500221	0.005715
7.8	0.500759	0.005051
7.9	0.501230	0.004378
8.0	0.501635	0.003706

Table 53

P = 7 Q = 6 ALPHA = 4.0

X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)	X	AI'(X)	AI(X)
-10.0	-0.504773	-0.008304	-5.5	-0.480771	-0.026971	-1.0	-0.290370	0.270681	3.5	0.559035	-0.019207
-9.9	-0.505594	-0.008097	-5.4	-0.483679	-0.031184	-0.9	-0.262846	0.279661	3.6	0.556864	-0.024087
-9.8	-0.506388	-0.007751	-5.3	-0.487000	-0.035248	-0.8	-0.234469	0.287716	3.7	0.554240	-0.028295
-9.7	-0.507140	-0.007284	-5.2	-0.490723	-0.039166	-0.7	-0.205335	0.294792	3.8	0.551227	-0.031846
-9.6	-0.507836	-0.006633	-5.1	-0.494826	-0.042861	-0.6	-0.175545	0.300845	3.9	0.547892	-0.034758
-9.5	-0.508462	-0.005859	-5.0	-0.499285	-0.046275	-0.5	-0.145202	0.305836	4.0	0.544296	-0.037053
-9.4	-0.509003	-0.004943	-4.9	-0.504070	-0.049351	-0.4	-0.114414	0.309735	4.1	0.540501	-0.038758
-9.3	-0.509446	-0.003891	-4.8	-0.509142	-0.052030	-0.3	-0.083292	0.312518	4.2	0.536563	-0.039902
-9.2	-0.509777	-0.002708	-4.7	-0.514461	-0.054256	-0.2	-0.051948	0.314173	4.3	0.532538	-0.040518
-9.1	-0.509983	-0.001405	-4.6	-0.519977	-0.055974	-0.1	-0.020495	0.314692	4.4	0.528476	-0.040642
-9.0	-0.510054	0.000010	-4.5	-0.525637	-0.057132	0.	0.010953	0.314077	4.5	0.524425	-0.040309
-8.9	-0.509978	0.001520	-4.4	-0.531383	-0.057680	0.1	0.042283	0.312339	4.6	0.520428	-0.039561
-8.8	-0.509747	0.003111	-4.3	-0.537151	-0.057573	0.2	0.073384	0.309495	4.7	0.516525	-0.038435
-8.7	-0.509354	0.004766	-4.2	-0.542874	-0.056768	0.3	0.104146	0.305571	4.8	0.512752	-0.036975
-8.6	-0.508792	0.006464	-4.1	-0.548480	-0.055228	0.4	0.134463	0.300600	4.9	0.509140	-0.035220
-8.5	-0.508060	0.008184	-4.0	-0.553894	-0.052922	0.5	0.164232	0.294623	5.0	0.505717	-0.033213
-8.4	-0.507156	0.009904	-3.9	-0.559038	-0.049823	0.6	0.193355	0.287686	5.1	0.502505	-0.030994
-8.3	-0.506080	0.011598	-3.8	-0.563832	-0.045910	0.7	0.221739	0.279844	5.2	0.499524	-0.028604
-8.2	-0.504838	0.013242	-3.7	-0.568193	-0.041171	0.8	0.249298	0.271154	5.3	0.496788	-0.026081
-8.1	-0.503434	0.014810	-3.6	-0.572038	-0.035597	0.9	0.275944	0.261681	5.4	0.494310	-0.023464
-8.0	-0.501879	0.016274	-3.5	-0.575284	-0.029190	1.0	0.301608	0.251494	5.5	0.492098	-0.020788
-7.9	-0.500184	0.017609	-3.4	-0.577848	-0.021955	1.1	0.326221	0.240665	5.6	0.490154	-0.018088
-7.8	-0.498363	0.018787	-3.3	-0.579648	-0.013907	1.2	0.349722	0.229269	5.7	0.488480	-0.015395
-7.7	-0.496432	0.019783	-3.2	-0.580604	-0.005069	1.3	0.372059	0.217386	5.8	0.487073	-0.012738
-7.6	-0.494413	0.020571	-3.1	-0.580637	0.004532	1.4	0.393186	0.205095	5.9	0.485930	-0.010145
-7.5	-0.492326	0.021128	-3.0	-0.579673	0.014858	1.5	0.413067	0.192478	6.0	0.485042	-0.007640
-7.4	-0.490196	0.021433	-2.9	-0.577642	0.025867	1.6	0.431674	0.179616	6.1	0.484398	-0.005245
-7.3	-0.488048	0.021465	-2.8	-0.574478	0.037509	1.7	0.448985	0.166592	6.2	0.483988	-0.002978
-7.2	-0.485912	0.021206	-2.7	-0.570121	0.049726	1.8	0.464989	0.153485	6.3	0.483798	-0.000856
-7.1	-0.483817	0.020844	-2.6	-0.564516	0.062458	1.9	0.479682	0.140375	6.4	0.483812	0.001109
-7.0	-0.481794	0.019784	-2.5	-0.557615	0.075636	2.0	0.493067	0.127339	6.5	0.484014	0.002905
-6.9	-0.479875	0.018561	-2.4	-0.549376	0.089187	2.1	0.505155	0.114450	6.6	0.484387	0.004524
-6.8	-0.478093	0.017030	-2.3	-0.539768	0.103033	2.2	0.515984	0.101781	6.7	0.484913	0.005962
-6.7	-0.476480	0.015170	-2.2	-0.528763	0.117093	2.3	0.525520	0.089398	6.8	0.485573	0.007216
-6.6	-0.475070	0.012985	-2.1	-0.516345	0.131282	2.4	0.533854	0.077364	6.9	0.486350	0.008284
-6.5	-0.473894	0.010483	-2.0	-0.502505	0.145513	2.5	0.541007	0.065737	7.0	0.487224	0.009168
-6.4	-0.472983	0.007678	-1.9	-0.487244	0.159697	2.6	0.547018	0.054570	7.1	0.488178	0.009873
-6.3	-0.472368	0.004585	-1.8	-0.470570	0.173745	2.7	0.551938	0.043912	7.2	0.489193	0.010403
-6.2	-0.472075	0.001228	-1.7	-0.452502	0.187565	2.8	0.555819	0.033803	7.3	0.490253	0.010766
-6.1	-0.472130	-0.002369	-1.6	-0.433068	0.201069	2.9	0.558718	0.024282	7.4	0.491341	0.010970
-6.0	-0.472556	-0.006173	-1.5	-0.412302	0.214168	3.0	0.560696	0.015379	7.5	0.492442	0.011025
-5.9	-0.473371	-0.010152	-1.4	-0.390250	0.226776	3.1	0.561815	0.007118	7.6	0.493541	0.010942
-5.8	-0.474591	-0.014265	-1.3	-0.366966	0.238809	3.2	0.562142	-0.000481	7.7	0.494626	0.010733
-5.7	-0.476227	-0.018471	-1.2	-0.342510	0.250187	3.3	0.561742	-0.007405	7.8	0.495684	0.010409
-5.6	-0.478286	-0.022723	-1.1	-0.316953	0.260834	3.4	0.560683	-0.013648	7.9	0.496704	0.009984
-5.5	-0.480771	-0.026971	-1.0	-0.290370	0.270681	3.5	0.559035	-0.019207	8.0	0.497678	0.009471