

$n = 2, 3,$ and $4,$ and for selected fixed points z_j . Exact decimal values of these coefficients are then tabulated for $p = 0 (0.1) 1$ and $q = 0 (0.1) 1,$ corresponding to $n = 2, 3,$ and $4.$

To expedite the estimate of the remainder term, the function $F(n, P) \equiv [|\Pi_j(P - j)|^3]/(3n)!$ is separately tabulated to two significant figures, for every n and P occurring in the main tables.

Use of these tables is illustrated by an application of three-point hyperosculatory interpolation coefficients to the subtabulation of the modified Hankel function of the first kind and of order one-third, using selected entries from tables [1] of this function for a complex argument.

A reference list of fifteen publications is included.

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1. THE COMPUTATION LABORATORY OF HARVARD UNIVERSITY, *Annals*, Vol. II: *Tables of the Modified Hankel Functions of Order One-Third and of their Derivatives*, Harvard University Press, Cambridge, 1945.

18[J, L, M].—HAROLD JEFFREYS, *Asymptotic Approximations*, Oxford University Press, 1962, 144 p., 22 cm. Price \$4.80.

This book treats, in a concise manner, modern work on asymptotic approximations to functions defined either by a definite integral or by a differential equation. The theory is illustrated by means of Bessel functions, the confluent hypergeometric function, and Mathieu functions. A brief discussion of Airey's convergence factor is given, and the book closes with a chapter devoted to the difficult problem of three-dimensional waves. We feel sure that the book will prove useful to students of problems that are attracting considerable attention, but the brevity of the treatment does not make its reading easy. However, ample references are given and difficulties encountered may be overcome by turning, if necessary, to Erdélyi's book [1] and to Langer's papers. The printing is of the high quality we have come to expect from the Oxford University Press.

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1. A. ERDÉLYI, *Asymptotic Expansions*, Dover Publications, Inc., New York, 1956.

19[K].—ANNA GLINSKI & JOHN VAN DYKE, *Tables for Significance Tests in a 2×2 Contingency Table (A Recomputation of the Finney and Latscha Tables)*, Statistical Engineering Laboratory, National Bureau of Standards, Washington 25, D.C., September 1962, 5 + 86 p. Deposited in UMT File.

These manuscript tables cover the same range as the original table of Finney [1] together with the extension by Latscha [2], namely, $A = 3(1)20, B \leq A$. The format of these earlier tables is retained, except that the "tail probabilities" now appear to four decimal places instead of three. The authors state that these more precise values were obtained from the Lieberman-Owen tables [3] of the hypergeometric distribution. Errors in the tables of Finney and Latscha as revealed by this recomputation have been reported earlier (*Math. Comp.*, v. 16, 1962, p. 261-262).