

for $x = 0(0.01)2$, where the constant ν is determined by the condition that $1/\nu$ is the abscissa of the main minimum of $\Gamma(1+x)$. Thus, $\nu = 2.166226964$ and $1/\Gamma(1+1/\nu) = 1.129173885$ to 9D, as the author correctly states. This choice of ν was apparently motivated by the fact that the error function then exceeds for any specified positive argument x the corresponding value for any other choice of a positive value of ν , as, for example, $\nu = 2$, yielding the normal error function.

The underlying calculations were initially performed on an IBM 370 system and then repeated on a Wang Model 360 calculator. The final computer results were checked to 9S prior to truncating to 5S.

No applications of this unique table are mentioned or suggested.

J. W. W.

17[7].—L. K. FREVEL & T. J. BLUMER, *Seven-Place Table of Iterated Hyperbolic Tangent*, The Dow Chemical Company, Midland, Michigan, 1972. Ms. of 43 pp. deposited in the UMT file.

The n th iterated hyperbolic tangent is herein tabulated to 7D for $n = 0(0.1)10$ and argument u over the range $u = 0(0.02)3$. All tabular entries were originally calculated to 9D on an IBM 1800 system, prior to rounding to 7D; accuracy is claimed to within a unit in the last tabulated decimal place.

Details of the procedure followed in calculating the table are presented in a three-page introduction, and reference is made to related unpublished tables of iterated functions prepared by the senior author and his associates [1], [2], [3], [4].

A useful figure is included in the text, consisting of an automated plot of the iterated tangent over the tabular range of u and for 30 selected values of n .

J. W. W.

1. L. K. FREVEL, J. W. TURLEY & D. R. PETERSEN, *Seven-Place Table of Iterated Sine*, The Dow Chemical Company, Midland, Michigan, 1959. [See *Math. Comp.*, v. 14, 1960, p. 76, RMT 2.]

2. L. K. FREVEL & J. W. TURLEY, *Seven-Place Table of Iterated $\text{Log}_e(1+x)$* , The Dow Chemical Company, Midland, Michigan, 1960. [See *Math. Comp.*, v. 15, 1961, p. 82, RMT 3.]

3. L. K. FREVEL & J. W. TURLEY, *Tables of Iterated Sine Integral*, The Dow Chemical Company, Midland, Michigan, 1961. [See *Math. Comp.*, v. 16, 1962, p. 119, RMT 8.]

4. L. K. FREVEL & J. W. TURLEY, *Tables of Iterated Bessel Functions of the First Kind*, The Dow Chemical Company, Midland, Michigan, 1962. [See *Math. Comp.*, v. 17, 1963, pp. 471–472, RMT 81.]

18[7].—DUŠAN V. SLAVIĆ, “Tables for functions $\Gamma(x)$ and $1/\Gamma(x)$,” *Publ. Fac. Elect. Univ. Belgrade (Série: Math et Phys.)*, No. 357–No. 380, 1971, pp. 69–74.

The two main tables in this publication (No. 372) consist of 30D values of $\Gamma(x)$ and its reciprocal for $x = 1(0.01)2$, as calculated on an IBM 1130 system. A third table gives to the same precision the “principal value” of $\Gamma(-n)$, that is

$$(-1)^n \psi(n+1)/\Gamma(n+1),$$

for $n = 0(1)30$.