

The Project Gutenberg eBook of The Number "e", by Unknown

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The Number "e"

Below is the value of 'e' to about 100,000 places, computed on the NCSA Cray Y-MP using the Brent multiple precision routines (published as Algorithm 524 in the March 1978 issue of Transactions on Mathematical Software). The method used was to compute first the alternating series for $1/e$, then to invert this result. The time to compute $1/e$ was about 594 seconds, and the time to invert was about 97 seconds. No special optimization was attempted on the code, other than the default vectorization that the cft77 compiler attempts to do.

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