

# ALGORITHM 524: MP, A FORTRAN MULTIPLE-PRECISION ARITHMETIC PACKAGE

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## ABSTRACT

A collection of ANSI Standard Fortran subroutines for performing multiple-precision floating-point arithmetic and evaluating elementary and special functions is given. The subroutines are machine independent and the precision is arbitrary, subject to storage limitations.

## COMMENTS

Only the Abstract is given here. The full paper appeared as [3]. The calling sequences are described in more detail in [1], and the algorithms are outlined in [2, 5]. For related work see [4, 6]. Note, however, that the Augment precompiler described in [6] is no longer supported.

## REFERENCES

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- [5] R. P. Brent, "Unrestricted algorithms for elementary and special functions", in *Information Processing 80* (edited by S. H. Lavington), North-Holland, Amsterdam, 1980, 613–619. CR 22#38728, MR 81i:68009. rpb052.
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