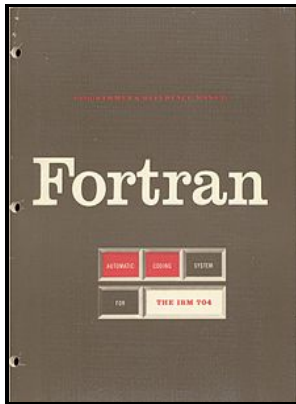


High performance Fortran handbook

MIT Press - 7 High Performance Fortran



Description: -

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Judgment (Ethics)
Ethics.
FORTRAN (Computer program language)High performance Fortran handbook

-
Scientific and engineering computationHigh performance Fortran handbook

Notes: Includes bibliographical references (p. [323]-324) and index.
This edition was published in 1994



Filesize: 60.29 MB

Tags: #An #evaluation #of #high #performance #Fortran, #ACM #SIGPLAN #Notices

Advanced Code Generation for High Performance Fortran

X as the real argument V REAL, DIMENSION SIZE X :: S! It kept the program in memory and loaded that gradually transformed it, in place, into executable form, as described by Haines. Fortran has had multiple versions, each adding extensions while largely retaining compatibility with prior versions. Fortran 77 and fix form Fortran 90! The HPFF was convened and chaired by of.

High Performance Fortran

The inquiry functions are to be intrinsic, but the others may instead be available in a library as external functions. PROGRAM APP83C IMPLICIT NONE INTERFACE FUNCTION F X REAL :: F REAL, DIMENSION :: X END FUNCTION F END INTERFACE REAL, DIMENSION 1000 :: X, Y, Z REAL, DIMENSION 5000 :: V, W REAL :: TEMP REAL, DIMENSION 10,1000 :: A! Also the formal arguments in a function or a subroutine can be stored in different ways using directives. The continuation cards were usually numbered 1, 2, etc.

7 High Performance Fortran

The inclusion of a in the language made Fortran especially suited to technical applications such as electrical engineering. This table is obtained by running the program once in Monte-Carlo fashion, in which the outcome of conditional transfers arising out of IF-type statements and computed GO TO's is determined by a random-number generator suitably weighted according to whatever FREQUENCY statements have been provided. The report was also reorganized and revised based on experience with HPF 1.

Special Issue: High Performance Fortran, Concurrency and Computation: Practice & Experience

Early FORTRAN compilers supported no in subroutines. Modern Fortran: Building Efficient teaches you how to develop fast, efficient parallel applications with Fortran. ALLOCATABLE arrays are preferable to POINTER-based arrays because ALLOCATABLE arrays are guaranteed by Fortran 95 to be deallocated automatically when they go out of scope, eliminating the possibility of.

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