

Fortran 95/2003 Course

Fortran Exercises by Hartmut Häfner March 26, 2015

STEINBUCH CENTRE FOR COMPUTING - SCC



Fortran Exercises



Implement the dot product as internal function. Initialize the arrays a and b with the constant values 1.000004 and 2.000009 and print the dot product to "stdout". Then use the module ieee_arithmetic and try different rounding modes.

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- Run the benchmark that measures a linked triad for different values.
 - Fetch it from the INDICO-website (including the benchmark code) and untar it into a local directory on bwUniCluster. Implement the c-interoperability for the routine seconds.c! (You can also run the benchmark with IEEE-Arithmetic switched on!)

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Compilation and linking of the benchmark: