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'gtool_history' module -- data output of numerical models using the self descriptive data format 'gtool4'

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We developed 'gtool_history' module for data output of numerical models using the self descriptive data format 'gtool4' for the purpose of efficient post-processing of massive data. This module is written in Fortran90, and it can handle files, dimensions, variables and attributes not with the numbers of the identification but with their symbolic names. By use of this module, we need not take into account of the structure of NetCDF format used at the lower level. It is possible to realize output from Fortran90 main programs with 'gtool4' data format by adding several statements which issue the commands of data definition, variable definition, output of the values, and data closing. The interface routines for the numerical models written in Fortran77 are also developed.