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Development of gtool4: a self-descriptive storage format for multi-dimensional numerical data

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http://www.gfd-dennou.org/arch/davis/

Storage format for multi-dimensional numerical data is developed, on the assumption of mainly using in research of geophysical fluid phenomena. In order to achieve platform-independency, netCDF is used for low-level file format. NetCDF conventions for variable and attributes is made in respect of self-descriptiveness, coexistence of visualization information, independence to the grid-structure. Visualization and analysis software written in Fortran 90 is now under development in order to demonstrate self-descriptiveness of the data format.