Paper Review

Climate Models: Challenges for Fortran Development Tools

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General Description - Topic

It was written by 2 researchers from Argentina and 1 from USA in 2014

Topic :

- ► Analyze 16 differents softwares about climate simulation and weather forecasting
- ► Provide some guidelines for people wishing to develop software development tools for Fortran for this purpose

The analysis

They focus :

- the number of code lines
- the amount of "old" and "recent" Fortran features
- the complexity of the code
- the quantity of C preprocessor directives

Strenghts and weaknesses

Strenghts

- ► Quite complete analysis
- ► Some complicated notions well-explained
- ► Clear descriptions of the results

Weaknesses

- ► Data sometimes difficult to interpret without reading descriptions
- ► Some figures at the wrong place