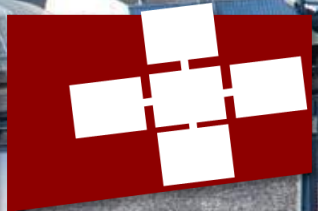





DaFLEx Progress report










Fortran merged!


master ▾
dace / dace / frontend / fortran /


t
Add file ▾
...


Alexandru Calotoiu
testing new options to get CI to work
×
3143c90 · last week
History

Name	Last commit message	Last commit date
 ..		
 <code>__init__.py</code>	adding tests for fortran frontend	3 weeks ago
 <code>ast_components.py</code>	testing new options to get CI to work	last week
 <code>ast_internal_classes.py</code>	initial commit with commented, formatted core of the fortran...	3 weeks ago
 <code>ast_transforms.py</code>	resolving comments	3 weeks ago
 <code>ast_utils.py</code>	resolving comments	3 weeks ago
 <code>fortran_parser.py</code>	testing new options to get CI to work	last week

F2DaCe current progress

- **Multi-file parsing (tested with up to ~~3012~~ more efficient analysis narrows down to 130)**
 - Quite involved
 1. *Type/Array/Scalar/Function/Function Statement closure: “Use mo_test only a” problem*
 2. *“A(4)” problem*
- **Fixes/Workarounds to fparser**
 - Contiguous statement
 - Multiple procedures in one line
- **Nested Data Types (derived types) part of DaCe**

Discussion of feature list (medium and high priority)

- **Derived data types**
 - Initial implementation done
- **Pointers**
 - Initial implementation done
 - Necessary to back off in certain cases!
- **Dynamic allocation**
 - Already merged
- **Module use options**
 - Currently closure of data and types is being implemented.
 - Use options will not require new research
- **Functions, intrinsic data types – will be done as encountered, does not require new research**
- **Intrinsic functions – will be done as encountered, ~~does not require new research~~**
- **Control flow (WHILE/ Labeled Loops) - in progress**
- **Interface blocks – not analyzed yet**