DaFlEx Progress report

Fortran merged!

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

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