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Features

First release (very soon!) will support ‘nice’ F77 plus a few extra things:

- All intrinsic types, both scalar and array arguments.
- Basic dtype declaration syntaxes: integer(kind=4), complex*16
- dimension(n1, n2), dimension(:, :], dimension(34, *) supported.
- Automatic Fortran $\Rightarrow$ C type mapping detection.
- Can use wrappers from C, Cython and Python code.
Planned features

- Module-level data

- User-derived types

  ```
  TYPE PARTICLE
    INTEGER(KIND=8) :: ID
    REAL(KIND=8) :: X, Y, Z
    REAL(KIND=8) :: VX, VY, VZ
    INTEGER(KIND=8), DIMENSION(NN) :: NEIGHBORS
  END TYPE PARTICLE
  ```

- C, Cython & Python callbacks (almost no overhead for C/Cython callbacks)

- Fortran module (with some constraints, conventions and directives) ⇒ Python extension type.
http://fwrap.sourceforge.net/

http://bitbucket.org/kwmsmith/fwrap-dev

Fwrap sprint Friday and Saturday, come and join us if you like.