“Low level” => speed

linear algebra

parallel computing

- ATLAS
  - http://math-atlas.sourceforge.net/faq.html#what
- BLAS
  - http://www.openblas.net/
- openMP
  - http://www.openmp.org/
- openMPI
  - https://www.open-mpi.org/
- openGL
  - https://www.opengl.org/
- coarrays
  - http://www.opencoarrys.org

- fgsl bindings
  - https://github.com/reinh-bader/fgsl
- PETs PDEs
  - https://www.mcs.anl.gov/petsc/documentation/referencing.html
- SuiteSparse
  - http://faculty.cse.tamu.edu/davis/suitesparse.html

High level => toolboxes

plots

graphical user interfaces

databases

- PYTHON+NUMPY+SCIPY+MATPLOTLIB

➢ https://www.continuum.io/downloads

HOW ABOUT BOTH?

http://fortranwiki.org/fortran/show/Python