

Level of
abstraction

Application Codes

PDE Solvers

TS
(Time Stepping)

SNES
(Nonlinear Equations Solvers)

SLES
(Linear Equations Solvers)

KSP
(Krylov Subspace Methods)

PC
(Preconditioners)

Draw

Matrices

Vectors

Index Sets

BLAS

LAPACK

MPI