

$$x=y+A^{-1}b$$



Teuchos  
(Utilities)

Playa linear algebra objects  
(Primate-readable interface)

NOX  
(Nonlinear solvers)

Anasazi  
(Eigensolver)

Aztec, Belos  
(Krylov methods)

ML  
(Algebraic multilevel  
preconditioning)

Amesos  
(Sparse LU  
and Cholesky)

Ifpack  
(Incomplete factorization  
preconditioning)

Epetra  
(Sparse matrix  
infrastructure)

LAPACK & BLAS  
(Dense linear algebra)

MPI  
(Parallel communication)