

# Parallel Numerical Components of PETSc

## Nonlinear Solvers

Nonlinear Solvers		
Newton-based Methods		Other
Line Search	Trust Region	

## Time Steppers

Time Steppers			
Euler	Backward Euler	Pseudo-Time Stepping	Other

## Krylov Subspace Methods

Krylov Subspace Methods							
GMRES	CG	CGS	Bi-CG-Stab	TFQMR	Richardson	Chebyshev	Other

## Preconditioners

Preconditioners						
Additive Schwarz	Block Jacobi	Jacobi	ILU	ICC	LU (sequential only)	Other

## Matrices

Matrices				
Compressed Sparse Row (AIJ)	Block Compressed Sparse Row (BAIJ)	Block Diagonal (BDiag)	Dense	Other

## Vectors

Vectors
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## Index Sets

Index Sets			
Indices	Block Indices	Stride	Other