

Engine Model

$$K Y = M Y \Omega^2$$

Eigen Value Dynamic	
K, M, Y, Ω	

Mapping

$$\begin{matrix} K \rightarrow A & Y \rightarrow X \\ M \rightarrow B & \Omega \rightarrow \lambda \end{matrix}$$

Numerical Method

$$A X = B X \lambda^2$$

SubspaceIter	
$\epsilon(A, B), \epsilon(X, \lambda)$	
subAComponent (...) solve()	

$$K Y = M Y \Omega^2$$

Eigen Value Dynamic	

Mapping

$$A X = B X \lambda^2$$

SubspaceInterface	
subAComponent (...) solve()	

Sparse Mtrx	
Times (vector&) factorize()	

Skyline	
Times (vector&) factorize()	

CoordStorageMtrx	
Times (vector&)	



subspaceY

SUBROUTINE SPACE (A, R, EGV, R, ...)

IMPLICIT REAL*8 (A-RQ-Z)

...

END