








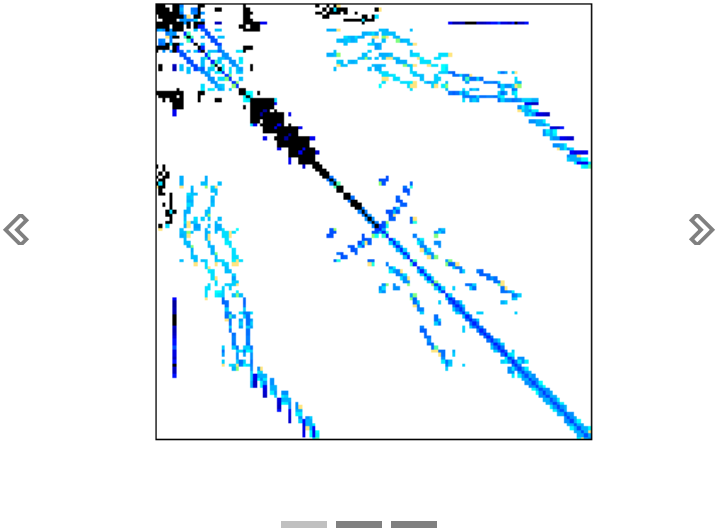



Cannizzo/sts4098

Structural engineering matrix (finite-element), Fabio Cannizzo

Name	sts4098
Group	Cannizzo
Matrix ID	1214
Num Rows 	4,098
Num Cols 	4,098
Nonzeros 	72,356
Pattern Entries 	72,356
Kind 	Structural Problem
Symmetric 	Yes
Date 	2004
Author 	F. Cannizzo
Editor 	T. Davis



Structural Rank	4,098
Structural Rank Full	true
Num Dmperm Blocks ?	1
Strongly Connect Components ?	1
Num Explicit Zeros ?	0
Pattern Symmetry ?	100%
Numeric Symmetry ?	100%
Cholesky Candidate ?	yes
Positive Definite ?	yes
Type ?	real

SVD Statistics	
Matrix Norm	3.071025e+08
Minimum Singular Value	1.414654e+00
Condition Number	2.170866e+08
Rank	4,098
sprank(A)-rank(A)	0
Null Space Dimension	0
Full Numerical Rank?	yes
Download Singular Values	<div>MATLAB </div>

Download

MATLAB 

Rutherford Boeing 

Matrix Market 

Notes