

Matrix name	Spectral number	Volume number	Angular number	0.01 matrix var.	0.0001 matrix var.	1E-06 matrix var.	1E-08 matrix var.	1E-10 matrix var.	0.01 vector var.	0.0001 vector var.	1E-06 vector var.	1E-08 vector var.	1E-10 vector var.
Hilbert matrix (10x10)	16332224654182 256	7.244973791366782E+48	1719718781009 8547	229592947034.27936	4468729881.267929	83644589.366571	1120410.746367	61116474.050441	112503.460671	1124.744118	11.708996	0.233427	0.077546
Hilbert matrix (5x5)	480849 116995	16085725624.204662	95157 699889	172342.101642	2148.904012	21 542222	0.215432	0.002155	14.361842	0.143618	0.001436	1.4E-05	0
Hilbert matrix (3x3)	526.158821	758.046997	172.887246	76.364318	0.831623	0.008324	8.3E-05	1E-06	0.385357	0.003854	3.9E-05	0	0
Diagonal matrix (10x10)	144.186075	1	1	0.480164	0.004895	4.9E-05	0	0	0.01143	0.000114	1E-06	0	0
Diagonal matrix (5x5)	23.369849	1	1	0.095998	0.000978	1E-05	0	0	0.011417	0.000114	1E-06	0	0
Diagonal matrix (3x3)	6.220932	1	1	0.023453	0.000238	2E-06	0	0	0.011358	0.000114	1E-06	0	0
Tridiagonal matrix (10x10)	277.051768	212.728272	15.977094	0.208643	0.002109	2.1E-05	0	0	0.008876	8.9E-05	1E-06	0	0
Tridiagonal matrix (5x5)	84.373675	21.980568	11.200745	0.004268	4.3E-05	0	0	0	0.011151	0.000112	1E-06	0	0
Tridiagonal matrix (3x3)	18.79162	7.713624	7.185054	0.010287	0.000104	1E-06	0	0	0.008292	8.3E-05	1E-06	0	0
Float matrix (3x3)	4.365266	1.513073	1.502929	0.00555	5.6E-05	1E-06	0	0	0.003489	3.5E-05	0	0	0