Matrices

Matrix Name	Number of Rows	Number of columns	Number of non zeros (NNZ)	NNZ per row	Type of data	File name	Download link
Webbase	1000005	1000005	3105536	3.1	Weighted Directed Graph	webbase-1M.mtx	https://sparse.tamu.edu/MM/Williams/webbase-1M.tar.gz
Circuit Simulation	1447360	1447360	5514242	3.8	Circuit Simulation problem	Hamrle3.mtx	https://sparse.tamu.edu/MM/Hamrle/Hamrle3.tar.gz
Epidemiology	525825	525825	2100225	4.0	2D/3D Problem	mc2depi.mtx	https://sparse.tamu.edu/MM/Williams/mc2depi.tar.gz
Freescale	3428755	3428755	18920347	5.5	Circuit Simulation problem	Freescale1.mtx	https://sparse.tamu.edu/MM/Freescale/Freescale1.tar.gz
Economics	206500	206500	1273389	6.2	Economic Problem	mac_econ_fwd500.mtx	https://sparse.tamu.edu/MM/Williams/mac_econ_fwd500.tar.gz
Torso	115967	115967	1033473	8.9	2D/3D Problem	torso2.mtx	https://sparse.tamu.edu/MM/Norris/torso2.tar.gz
DNA electrophoresis	1505785	1505785	27130349	18.0	Directed Weighted Graph	cage14.mtx	https://sparse.tamu.edu/MM/vanHeukelum/cage14.tar.gz
Wind Tunnel	217918	217918	5926171	27.2	Structural Problem	pwtk.mtx	https://sparse.tamu.edu/MM/Boeing/pwtk.tar.gz
FEM/Cantilever	62451	62451	2034917	32.6	2D/3D Problem	cant.mtx	https://sparse.tamu.edu/MM/Williams/cant.tar.gz
Ga41As41H72	268096	268096	9378286	35.0	Theoretical/Quantum Chemistry Problem	Ga41As41H72.mtx	https://sparse.tamu.edu/MM/PARSEC/Ga41As41H72.tar.gz
FEM/Spheres	83334	83334	3046907	36.6	2D/3D Problem	consph.mtx	https://sparse.tamu.edu/MM/Williams/consph.tar.gz
F1	343791	343791	13590452	39.5	Structural Problem	F1.mtx	https://sparse.tamu.edu/MM/Koutsovasilis/F1.tar.gz
Si41Ge41H72	185639	185639	7598452	40.9	Theoretical/Quantum Chemistry Problem	Si41Ge41H72.mtx	https://sparse.tamu.edu/MM/PARSEC/Si41Ge41H72.tar.gz
Protein	36417	36417	2190591	60.2	Weighted Undirected Graph	pdb1HYS.mtx	https://sparse.tamu.edu/MM/Williams/pdb1HYS.tar.gz
Italian Railways	4284	1096894	11284032	2634.0	Linear Programming Problem	rail4284.mtx	https://sparse.tamu.edu/MM/Mittelmann/rail4284.tar.gz