

source	NNZ	TimeAvg CSR 0	TimeAvg CSR 1	timeAvg ELL 0	timeAvg ELL 1	TimeAvg ELL 2	GFLOPS MAX	BEST IMPLEMENTATION
del aunay_n12.mtx	24528	9.20E-06	1.39E-05	8.44E-06	1.08E-05	1.38E-05	5.81	GFLOPS ELL 0
raefsky1.mtx	294276	4.24E-05	1.26E-05	2.28E-05	3.92E-05	1.72E-05	46.56	GFLOPS CSR 1
caidaRouterLevel.mtx	1218132	2.33E-04	7.49E-04	8.19E-03	8.00E-02	1.66E-03	10.47	GFLOPS CSR 0
thermal2.mtx	8580313	8.66E-04	2.11E-03	6.52E-04	2.13E-03	2.11E-03	26.34	GFLOPS ELL 0
FEM_3D_thermal2.mtx	3489300	5.26E-04	2.66E-04	1.78E-04	4.48E-04	2.64E-04	39.14	GFLOPS ELL 0
west2021.mtx	7353	8.96E-06	1.02E-05	7.44E-06	9.96E-06	1.07E-05	1.98	GFLOPS ELL 0
olm1000.mtx	3996	7.68E-06	8.76E-06	7.64E-06	8.24E-06	8.52E-06	1.05	GFLOPS ELL 0
consph.mtx	6010480	1.30E-03	1.88E-04	2.88E-04	1.25E-03	1.91E-04	63.97	GFLOPS CSR 1
cavity12.mtx	76367	1.59E-05	1.16E-05	1.25E-05	2.43E-05	1.31E-05	13.17	GFLOPS CSR 1
coPapersDBLP.mtx	30491458	6.78E-03	8.46E-04				72.11	GFLOPS CSR 1
del aunay_n17.mtx	786352	7.55E-05	2.36E-04	1.08E-04	1.96E-04	2.34E-04	20.84	GFLOPS CSR 0
thermomech_TK.mtx	711558	7.22E-05	1.87E-04	5.55E-05	1.29E-04	2.36E-04	25.65	GFLOPS ELL 0
cop20k_A.mtx	2624331	4.18E-04	2.74E-04	4.22E-04	2.38E-03	2.52E-04	20.83	GFLOPS ELL 2
del aunay_n16.mtx	393150	4.14E-05	1.13E-04	5.62E-05	1.01E-04	1.13E-04	19.01	GFLOPS CSR 0
cage4.mtx	49	7.16E-06	6.40E-06	6.88E-06	6.28E-06	6.32E-06	0.02	GFLOPS ELL 1
citationCiteseer.mtx	2313294	4.28E-04	4.73E-04	1.42E-02	1.47E-01	2.56E-03	10.82	GFLOPS CSR 0
mc2depi.mtx	2100225	1.34E-04	8.54E-04	1.19E-04	2.32E-04	9.08E-04	35.23	GFLOPS ELL 0
raefsky2.mtx	294276	4.30E-05	1.27E-05	2.29E-05	3.95E-05	1.69E-05	46.42	GFLOPS CSR 1
olafu.mtx	1015156	1.18E-04	3.76E-05	6.53E-05	1.08E-04	4.29E-05	53.94	GFLOPS CSR 1
rdist2.mtx	56934	1.39E-05	1.22E-05	1.24E-05	2.40E-05	1.44E-05	9.3	GFLOPS CSR 1
channel-500x100x100-b050	85362744	1.26E-02	8.21E-03	3.86E-03	9.04E-03	6.90E-03	44.25	GFLOPS ELL 0
auto.mtx	6629222	1.03E-03	7.78E-04	7.58E-04	2.86E-03	8.13E-04	17.48	GFLOPS ELL 0
asia_osm.mtx	25423206	2.13E-03	2.04E-02	5.32E-03	1.14E-02	2.04E-02	23.87	GFLOPS CSR 0
598a.mtx	1483868	2.01E-04	1.68E-04	1.33E-04	3.82E-04	1.67E-04	22.31	GFLOPS ELL 0
adder_dcop_32.mtx	11246	1.02E-04	9.44E-06	1.35E-04	3.54E-04	3.04E-05	2.38	GFLOPS CSR 1
del aunay_n15.mtx	196548	1.37E-05	5.44E-05	3.26E-05	6.22E-05	5.41E-05	28.65	GFLOPS CSR 0
mhd4800a.mtx	102252	1.34E-05	1.30E-05	8.80E-06	1.99E-05	1.46E-05	23.24	GFLOPS ELL 0
belgium_osm.mtx	3099940	2.87E-04	2.48E-03	7.22E-04	2.07E-03	2.17E-03	21.59	GFLOPS CSR 0
chesapeake.mtx	340	8.72E-06	6.32E-06	7.68E-06	7.96E-06	6.52E-06	0.11	GFLOPS CSR 1
af_1_k101.mtx	17550675	3.05E-03	8.23E-04	7.55E-04	2.14E-03	9.12E-04	46.47	GFLOPS ELL 0
lung2.mtx	492564	4.28E-05	1.66E-04	4.86E-05	5.78E-05	1.65E-04	23.02	GFLOPS CSR 0
cavity15.mtx	76367	1.38E-05	1.04E-05	1.09E-05	2.08E-05	1.10E-05	14.74	GFLOPS CSR 1
adder_dcop_31.mtx	11246	1.02E-04	9.00E-06	1.35E-04	3.58E-04	3.04E-05	2.5	GFLOPS CSR 1
coPapersCiteseer.mtx	32073440	7.52E-03	9.43E-04				68.02	GFLOPS CSR 1
cavity13.mtx	76367	1.60E-05	1.18E-05	1.25E-05	2.43E-05	1.28E-05	12.99	GFLOPS CSR 1
cavity10.mtx	76367	1.61E-05	1.16E-05	1.28E-05	2.44E-05	1.29E-05	13.12	GFLOPS CSR 1
hvdc1.mtx	159981	2.80E-05	5.05E-05	1.86E-04	5.63E-04	8.46E-05	11.41	GFLOPS CSR 0
roadNet-PA.mtx	3083796	2.20E-04	1.88E-03	4.71E-04	9.77E-04	1.87E-03	27.97	GFLOPS CSR 0
nlpkkt80.mtx	28704672	3.91E-03	1.81E-03	1.35E-03	2.05E-03	1.52E-03	42.45	GFLOPS ELL 0
PR02R.mtx	8185136	1.67E-03	3.12E-04	6.17E-04	3.20E-03	2.99E-04	54.75	GFLOPS ELL 2
ML_Laplace.mtx	27689972	5.61E-03	6.68E-04	1.17E-03	7.79E-03	6.83E-04	82.94	GFLOPS CSR 1
cavity11.mtx	76367	1.41E-05	1.04E-05	1.08E-05	2.07E-05	1.10E-05	14.63	GFLOPS CSR 1
mac_econ_fwd500.mtx	1273389	1.14E-04	3.49E-04	3.85E-04	6.68E-04	4.54E-04	22.29	GFLOPS CSR 0
mcfe.mtx	24382	1.84E-05	8.04E-06	1.33E-05	2.96E-05	8.48E-06	6.07	GFLOPS CSR 1
del aunay_n14.mtx	98244	1.11E-05	3.58E-05	1.62E-05	2.47E-05	3.55E-05	17.73	GFLOPS CSR 0
bcsstk17.mtx	428650	4.38E-05	2.81E-05	7.36E-05	1.78E-04	3.71E-05	30.53	GFLOPS CSR 1
mhda416.mtx	8562	1.22E-05	7.84E-06	8.92E-06	1.56E-05	7.84E-06	2.18	GFLOPS CSR 1
144.mtx	2148786	3.03E-04	2.60E-04	1.74E-04	4.18E-04	2.58E-04	24.7	GFLOPS ELL 0
dc3.mtx	766396	1.29E-02	1.76E-04				8.73	GFLOPS CSR 1
FEM_3D_thermal1.mtx	430740	4.74E-05	3.21E-05	2.70E-05	3.64E-05	3.22E-05	31.91	GFLOPS ELL 0
thermal1.mtx	574458	6.16E-05	1.27E-04	4.83E-05	1.40E-04	1.27E-04	23.78	GFLOPS ELL 0
coAuthorsCiteseer.mtx	1628268	3.26E-04	4.03E-04	1.23E-02	1.30E-01	2.15E-03	10	GFLOPS CSR 0
coAuthorsDBLP.mtx	1955352	2.34E-04	4.37E-04	4.08E-03	3.90E-02	9.78E-04	16.7	GFLOPS CSR 0
Cube_Coup_dt0.mtx	127206144	1.75E-02	3.09E-03	6.15E-03	4.03E-02	3.87E-03	82.43	GFLOPS CSR 1
adaptive.mtx	27248640	2.09E-03	1.16E-02	1.95E-03	3.60E-03	1.09E-02	27.96	GFLOPS ELL 0
cant.mtx	4007383	8.80E-04	1.36E-04	2.08E-04	8.22E-04	1.45E-04	59.04	GFLOPS CSR 1
af23560.mtx	484256	5.96E-05	4.90E-05	2.79E-05	4.71E-05	4.86E-05	34.74	GFLOPS ELL 0
pdb1HYS.mtx	4344765	1.04E-03	8.92E-05	3.06E-04	8.16E-04	1.21E-04	97.42	GFLOPS CSR 1
dc2.mtx	766396	1.22E-02	1.76E-04				8.71	GFLOPS CSR 1
amazon0302.mtx	1234877	9.28E-05	3.84E-04	7.61E-05	2.61E-04	3.83E-04	32.45	GFLOPS ELL 0
del aunay_n13.mtx	49094	8.40E-06	1.80E-05	7.44E-06	1.18E-05	1.80E-05	13.2	GFLOPS ELL 0
dc1.mtx	766396	1.31E-02	1.76E-04				8.69	GFLOPS CSR 1
webbaseM.mtx	3105536	7.87E-04	1.72E-03				7.89	GFLOPS CSR 0
cavity14.mtx	76367	1.61E-05	1.19E-05	1.24E-05	2.44E-05	1.28E-05	12.86	GFLOPS CSR 1

SUMMARY		
% CSR 0 BETTER	% ELL0 BETTER	MAX GFLOPS
23.44%	31.25%	81.06
% CSR1 BETTER	% ELL1 BETTER	
40.32%	1.61%	
	% ELL2 BETTER	
	3.33%	