

<i>Using</i>	Matrix	processors	Time / mpi	Inf Norm / mpi	Time / manual	Inf Norm / manual
./A4-mpi-solo -r	50	5	0.009072	83,811.0	0.001097	83,811.0
./A4-mpi-solo -r	50	5	0.008933	83,811.0	0.001087	83,811.0
./A4-mpi-solo -r	50	5	0.008905	83,811.0	0.001087	83,811.0
./A4-mpi-solo -r	50	5	0.008812	83,811.0	0.001087	83,811.0
./A4-mpi-solo -r	50	5	0.008925	83,811.0	0.001092	83,811.0
./A4-mpi-solo -r	50	5	0.009015	83,811.0	0.001087	83,811.0
./A4-mpi-solo -r	100	5	0.037541	338,563.0	0.008450	338,563.0
./A4-mpi-solo -r	100	5	0.037656	338,563.0	0.008447	338,563.0
./A4-mpi-solo -r	100	5	0.037570	338,563.0	0.008450	338,563.0
./A4-mpi-solo -r	100	5	0.037487	338,563.0	0.008529	338,563.0
./A4-mpi-solo -r	100	5	0.037527	338,563.0	0.008523	338,563.0
./A4-mpi-solo -r	100	5	0.037631	338,563.0	0.008456	338,563.0
./A4-mpi-solo -r	50	5	0.009118	83,811.0	0.001087	83,811.0
./A4-mpi-solo -r	50	5	0.009014	83,811.0	0.001089	83,811.0
./A4-mpi-solo -r	50	5	0.008918	83,811.0	0.001088	83,811.0
./A4-mpi-solo -r	50	5	0.008817	83,811.0	0.001089	83,811.0
./A4-mpi-solo -r	50	5	0.008911	83,811.0	0.001089	83,811.0
./A4-mpi-solo -r	50	5	0.008957	83,811.0	0.001105	83,811.0
./A4-mpi-solo -r	100	5	0.037528	338,563.0	0.008510	338,563.0
./A4-mpi-solo -r	100	5	0.037641	338,563.0	0.008455	338,563.0
./A4-mpi-solo -r	100	5	0.037601	338,563.0	0.008463	338,563.0
./A4-mpi-solo -r	100	5	0.037511	338,563.0	0.008462	338,563.0
./A4-mpi-solo -r	100	5	0.037566	338,563.0	0.008450	338,563.0
./A4-mpi-solo -r	100	5	0.037486	338,563.0	0.008523	338,563.0

<i>Using</i>	Matrix	processors	Time / mpi	Inf Norm / mpi	Time / manual	Inf Norm / manual
./A4-mpi-solo -i	50	5	0.008958	75,625.0	0.001088	75,625.0
./A4-mpi-solo -i	50	5	0.008924	75,625.0	0.001087	75,625.0
./A4-mpi-solo -i	50	5	0.008960	75,625.0	0.001089	75,625.0
./A4-mpi-solo -i	50	5	0.008933	75,625.0	0.001089	75,625.0
./A4-mpi-solo -i	50	5	0.008925	75,625.0	0.001088	75,625.0
./A4-mpi-solo -i	50	5	0.008914	75,625.0	0.001088	75,625.0
./A4-mpi-solo -i	100	5	0.038111	1,102,500.0	0.008443	1,102,500.0
./A4-mpi-solo -i	100	5	0.038198	1,102,500.0	0.008453	1,102,500.0
./A4-mpi-solo -i	100	5	0.038174	1,102,500.0	0.008453	1,102,500.0
./A4-mpi-solo -i	100	5	0.038084	1,102,500.0	0.008454	1,102,500.0
./A4-mpi-solo -i	100	5	0.038198	1,102,500.0	0.008459	1,102,500.0
./A4-mpi-solo -i	100	5	0.038247	1,102,500.0	0.008617	1,102,500.0
./A4-mpi-solo -i	50	5	0.008915	75,625.0	0.001096	75,625.0
./A4-mpi-solo -i	50	5	0.009069	75,625.0	0.001087	75,625.0
./A4-mpi-solo -i	50	5	0.008928	75,625.0	0.001087	75,625.0
./A4-mpi-solo -i	50	5	0.008972	75,625.0	0.001230	75,625.0
./A4-mpi-solo -i	50	5	0.008964	75,625.0	0.001088	75,625.0
./A4-mpi-solo -i	50	5	0.009050	75,625.0	0.001089	75,625.0
./A4-mpi-solo -i	100	5	0.038039	1,102,500.0	0.008540	1,102,500.0
./A4-mpi-solo -i	100	5	0.038085	1,102,500.0	0.008519	1,102,500.0
./A4-mpi-solo -i	100	5	0.037991	1,102,500.0	0.008525	1,102,500.0
./A4-mpi-solo -i	100	5	0.038114	1,102,500.0	0.008520	1,102,500.0
./A4-mpi-solo -i	100	5	0.038142	1,102,500.0	0.008528	1,102,500.0
./A4-mpi-solo -i	100	5	0.038006	1,102,500.0	0.008453	1,102,500.0

Using	[Matrix]	[processors]	Time / mpi	Inf Norm / mpi	Time / manual	Inf Norm / manual
./A4-mpi-solo -r	50	5	0.009046	83,811.0	0.001087	83,811.0
./A4-mpi-solo -r	50	5	0.008892	83,811.0	0.001089	83,811.0
./A4-mpi-solo -r	50	5	0.008990	83,811.0	0.001090	83,811.0
./A4-mpi-solo -r	100	5	0.037635	338,563.0	0.008447	338,563.0
./A4-mpi-solo -r	100	5	0.037697	338,563.0	0.008454	338,563.0
./A4-mpi-solo -r	100	5	0.037666	338,563.0	0.008524	338,563.0
./A4-mpi-solo -r	500	5	1.327586	8,078,358.0	2.380195	8,078,358.0
./A4-mpi-solo -r	500	5	1.337290	8,078,358.0	2.325706	8,078,358.0
./A4-mpi-solo -r	500	5	1.344111	8,078,358.0	2.391962	8,078,358.0
./A4-mpi-solo -r	500	5	1.321970	8,078,358.0	2.391503	8,078,358.0
./A4-mpi-solo -r	1000	5	7.248157	31,600,720.0	17.150734	31,600,720.0
./A4-mpi-solo -r	1000	5	7.149565	31,600,720.0	17.163936	31,600,720.0
./A4-mpi-solo -r	1000	5	7.054564	31,600,720.0	17.165722	31,600,720.0
./A4-mpi-solo -r	1000	5	7.085431	31,600,720.0	17.121745	31,600,720.0
./A4-mpi-solo -r	50	5	0.009035	83,811.0	0.001208	83,811.0
./A4-mpi-solo -r	50	5	0.008932	83,811.0	0.001103	83,811.0
./A4-mpi-solo -r	50	5	0.008888	83,811.0	0.001088	83,811.0
./A4-mpi-solo -r	100	5	0.037540	338,563.0	0.008523	338,563.0
./A4-mpi-solo -r	100	5	0.037636	338,563.0	0.008522	338,563.0
./A4-mpi-solo -r	100	5	0.037552	338,563.0	0.008451	338,563.0
./A4-mpi-solo -r	500	5	1.350460	8,078,358.0	2.395111	8,078,358.0
./A4-mpi-solo -r	500	5	1.328560	8,078,358.0	2.397888	8,078,358.0
./A4-mpi-solo -r	500	5	1.359001	8,078,358.0	2.391396	8,078,358.0
./A4-mpi-solo -r	500	5	1.323249	8,078,358.0	2.394876	8,078,358.0
./A4-mpi-solo -r	1000	5	7.143116	31,600,720.0	17.156587	31,600,720.0
./A4-mpi-solo -r	1000	5	7.045932	31,600,720.0	17.116244	31,600,720.0
./A4-mpi-solo -r	1000	5	7.149100	31,600,720.0	17.177210	31,600,720.0
./A4-mpi-solo -r	1000	5	7.089481	31,600,720.0	17.191204	31,600,720.0

Using	[Matrix]	[processors]	Time / mpi	Inf Norm / mpi	Time / manual	Inf Norm / manual
./A4-mpi-solo -i	50	5	0.008938	75,625.0	0.001186	75,625.0
./A4-mpi-solo -i	50	5	0.009002	75,625.0	0.001088	75,625.0
./A4-mpi-solo -i	50	5	0.009120	75,625.0	0.001087	75,625.0
./A4-mpi-solo -i	100	5	0.038113	1,102,500.0	0.008523	1,102,500.0
./A4-mpi-solo -i	100	5	0.038247	1,102,500.0	0.008458	1,102,500.0
./A4-mpi-solo -i	100	5	0.038238	1,102,500.0	0.008459	1,102,500.0
./A4-mpi-solo -i	500	5	1.378423	637,562,500.0	2.393414	637,562,500.0
./A4-mpi-solo -i	500	5	1.355162	637,562,500.0	2.391642	637,562,500.0
./A4-mpi-solo -i	500	5	1.379172	637,562,500.0	2.391919	637,562,500.0
./A4-mpi-solo -i	500	5	1.403600	637,562,500.0	2.393041	637,562,500.0
./A4-mpi-solo -i	1000	5	7.395794	10,100,250,000.0	17.110994	10,100,250,000.0
./A4-mpi-solo -i	1000	5	7.315577	10,100,250,000.0	17.160057	10,100,250,000.0
./A4-mpi-solo -i	1000	5	7.316681	10,100,250,000.0	17.148499	10,100,250,000.0
./A4-mpi-solo -i	1000	5	7.256198	10,100,250,000.0	17.119226	10,100,250,000.0
./A4-mpi-solo -i	50	5	0.009033	75,625.0	0.001095	75,625.0
./A4-mpi-solo -i	50	5	0.008928	75,625.0	0.001123	75,625.0
./A4-mpi-solo -i	50	5	0.008975	75,625.0	0.001087	75,625.0
./A4-mpi-solo -i	100	5	0.038091	1,102,500.0	0.008466	1,102,500.0
./A4-mpi-solo -i	100	5	0.038131	1,102,500.0	0.008528	1,102,500.0
./A4-mpi-solo -i	100	5	0.038197	1,102,500.0	0.008449	1,102,500.0
./A4-mpi-solo -i	500	5	1.358874	637,562,500.0	2.393659	637,562,500.0
./A4-mpi-solo -i	500	5	1.367390	637,562,500.0	2.380557	637,562,500.0
./A4-mpi-solo -i	500	5	1.362464	637,562,500.0	2.319429	637,562,500.0
./A4-mpi-solo -i	500	5	1.358222	637,562,500.0	2.378163	637,562,500.0
./A4-mpi-solo -i	1000	5	7.291051	10,100,250,000.0	17.179521	10,100,250,000.0
./A4-mpi-solo -i	1000	5	7.340551	10,100,250,000.0	17.143703	10,100,250,000.0
./A4-mpi-solo -i	1000	5	7.283727	10,100,250,000.0	17.212086	10,100,250,000.0
./A4-mpi-solo -i	1000	5	7.353827	10,100,250,000.0	17.172394	10,100,250,000.0