

GFLOP/s Single Precision

Matrix Name	CSR Scalar	CSR Vector	CSR Adaptive	PCSR	LightSpMV
Webbase	12.1	3.6	19.7	6.5	19.9
Circuit Simulation	26.1	4.5	23.0	23.1	23.7
Epidemiology	30.4	4.7	22.3	25.6	29.8
Freescape	22.8	6.4	21.0	25.0	23.8
Economics	15.2	7.0	19.1	25.1	21.1
Torso	15.0	9.9	21.4	26.5	24.8
DNA electrophoresis	17.7	17.8	17.4	27.3	39.0
Wind Tunnel	13.3	25.7	20.7	29.9	40.0
FEM/Cantilever	9.6	26.8	21.6	27.8	45.0
Ga41As41H72	13.4	27.7	17.2	30.5	47.1
FEM/Spheres	10.3	27.8	20.3	30.5	50.7
F1	8.3	32.6	22.1	30.3	49.1
Si41Ge41H72	12.2	29.7	17.8	29.8	43.6
Protein	7.4	31.4	19.1	26.0	44.2
Italian Railways	1.4	26.8	31.7	3.0	22.4
Average	14.3	18.8	21.0	24.5	35.0

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Matrix Name	CSR Scalar	CSR Vector	CSR Adaptive	PCSR	LightSpMV
Webbase	8.1	1.8	13.5	1.5	13.4
Circuit Simulation	15.8	2.2	19.4	12.9	19.5
Epidemiology	21.0	2.3	18.7	14.6	23.6
Freescape	13.6	3.2	17.9	13.8	10.2
Economics	12.9	3.5	14.2	12.7	17.9
Torso	14.0	5.0	18.3	16.0	21.8
DNA electrophoresis	5.5	9.8	17.2	11.1	32.6
Wind Tunnel	7.4	13.3	17.9	15.4	36.7
FEM/Cantilever	7.0	15.2	16.5	15.7	34.7
Ga41As41H72	7.1	16.4	8.1	11.8	32.7
FEM/Spheres	7.0	16.9	17.1	16.7	36.4
F1	4.4	18.6	15.3	15.0	30.2
Si41Ge41H72	7.1	18.3	7.3	10.9	31.0
Protein	5.4	20.7	11.3	12.7	32.6
Italian Railways	1.2	18.0	21.8	0.6	15.0
Average	9.2	11.0	15.6	12.1	25.9

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Matrix Name	CSR Scalar	CSR Vector	CSR Adaptive	PCSR	LightSpMV
<b>Webbase</b>	66.2	19.4	116.6	60.1	106.1
<b>Circuit Simulation</b>	133.6	22.7	118.7	216.8	119.8
<b>Epidemiology</b>	152.1	23.4	113.7	237.3	145.8
<b>Freescape</b>	104.8	29.7	106.8	224.9	110.9
<b>Economics</b>	70.7	31.5	88.2	214.8	91.1
<b>Torso</b>	64.7	42.0	93.2	223.6	103.7
<b>DNA electrophoresis</b>	73.5	70.4	80.4	219.7	153.7
<b>Wind Tunnel</b>	56.6	108.9	93.1	246.9	168.0
<b>FEM/Cantilever</b>	38.4	102.1	82.1	220.2	169.9
<b>Ga41As41H72</b>	55.2	104.7	71.8	242.0	185.7
<b>FEM/Spheres</b>	42.0	113.1	82.9	237.2	183.6
<b>F1</b>	33.6	125.2	68.7	242.3	190.3
<b>Si41Ge41H72</b>	50.0	114.1	68.2	235.5	177.4
<b>Protein</b>	31.5	134.4	79.1	204.9	175.2
<b>Italian Railways</b>	5.9	114.1	133.0	22.3	89.7
<b>Average</b>	65.3	77.0	93.1	203.2	144.7

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Matrix Name	CSR Scalar	CSR Vector	CSR Adaptive	PCSR	LightSpMV
Webbase	70.8	14.8	124.3	23.1	119.4
Circuit Simulation	137.7	17.2	156.6	209.1	157.7
Epidemiology	162.7	17.7	145.9	236.1	193.4
Freescape	103.8	22.5	140.0	215.6	134.7
Economics	93.3	23.7	99.3	187.6	124.6
Torso	97.8	32.3	121.2	237.7	140.0
DNA electrophoresis	44.4	64.8	114.5	234.4	213.5
Wind Tunnel	47.3	84.6	105.1	215.8	219.5
FEM/Cantilever	42.5	89.0	94.6	100.6	220.0
Ga41As41H72	43.3	93.7	46.2	157.9	201.5
FEM/Spheres	42.7	95.7	97.8	230.9	226.7
F1	26.6	106.6	87.5	205.9	181.4
Si41Ge41H72	44.1	104.9	41.4	147.0	190.8
Protein	33.8	123.6	70.1	180.0	203.8
Italian Railways	7.8	115.8	139.5	8.9	95.2
Average	66.6	67.1	105.6	172.7	174.8