




















CPU/System	Cores	Wall Clock Time, Seconds	Power, W	Energy Efficiency, Jobs per kWh	N
ARM Fujitsu A64FX, SVE 512b (SBU-Ookami, GCC)	48	 62.7 ± 0.7	110 ± 0	 522 ± 6	60
ARM Amazon Graviton 2, Neoverse N1 (AWS)	48	 61.1 ± 0.9			12
ARM Amazon Graviton 3, Neoverse V1, SVE 256b (AWS)	48	 36.6 ± 0.7			11
ARM Amazon Graviton 3, Neoverse V1, SVE 256b (AWS)	64	 29.8 ± 0.4			20
ARM Ampere Altra, Neoverse N1 (Azure)	48	 56.5 ± 2.7			11
ARM Ampere Altra, Neoverse N1 (Azure)	64	 42.8 ± 0.5	270*	 312	20
x86 AMD EPYC 7742 Zen2(Rome), AVX2 (PSC-Bridges-2)	128	 32.4 ± 4.4			20
x86 AMD EPYC 7742 Zen2(Rome), AVX2 (SDSC Expanse)	128	 28.6 ± 7.8			20
x86 AMD EPYC 7763 Zen3(Milan), AVX2 (Purdue Anvil)	128	 26.7 ± 0.3			20
x86 Intel Xeon Phi 7250, KNL, AVX512 (TACC-Stampede 2)**	68	 262.1 ± 22.1			20
x86 Intel Xeon Plat. 8160, Skylake-X, AVX512 (TACC-Stampede 2)**	48	 50.3 ± 0.3			12
x86 Intel Xeon Plat. 8160, Skylake-X, AVX512 (TACC-Stampede 2)	48	 31.2 ± 0.2			8
x86 Intel Xeon Plat. 8380, Ice Lake, AVX512 (TACC-Stampede 2)	80	 19.2 ± 1.2			11
x86 Intel Xeon Gold 6130, Skylake-X, AVX512 (UB-HPC)	32	 90 ± 1.6	332 ± 50	 124 ± 25	27
x86 Intel Xeon Gold 6330, Ice Lake, AVX512 (UB-HPC)	56	 46.9 ± 0.6	376 ± 2	 204 ± 3	11