CPU Performance Analysis Report 4.2.1

Measured time	Sat Jul 9 20:47:32 2022
Node name	e31-2201c

Process no.	0
CMG no.	0
Measured region	axhelm_kernel, 1

Vector length (bit)	512
CPU frequency (GHz)	1.999

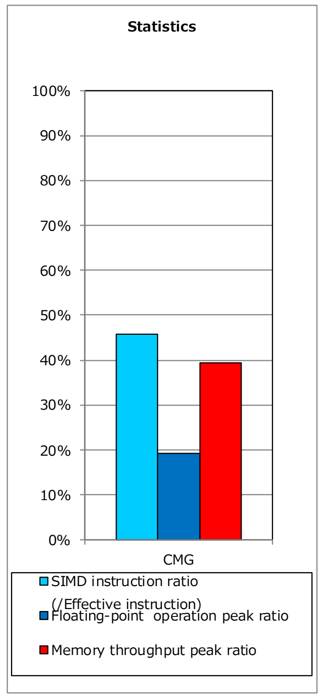
Statistics		Execution time (s)	GFLOPS	Floating-point operation peak ratio (%)	Memory throughput (GB/s)	Memory throughput peak ratio (%)	Effective instruction	Floating-point operation	SIMD instruction rate (%) (/Effective instruction)	SVE operation rate (%)	Floating-point pipeline Active element rate (%)	IPC	GIPS
Process	Thread												
0	0	7.17E-02	12.23	19.11%	8.42	39.40%	3.41E+08	8.77E+08	45.66%	100.00%	87.22%	2.38	4.76
0	1	7.17E-02	12.23	19.11%	8.31		3.41E+08	8.77E+08	45.67%	100.00%	87.17%	2.38	4.76
0	2	7.17E-02	12.23	19.12%	8.39		3.41E+08	8.77E+08	45.67%	100.00%	87.17%	2.38	4.76
0	3	7.17E-02	12.23	19.11%	8.26		3.41E+08	8.77E+08	45.67%	100.00%	87.17%	2.38	4.76
0	4	7.17E-02	12.23	19.11%	8.34		3.41E+08	8.77E+08	45.67%	100.00%	87.17%	2.38	4.76
0	5	7.17E-02	12.23	19.11%	8.44		3.41E+08	8.77E+08	45.67%	100.00%	87.17%	2.38	4.76
0	6	7.17E-02	12.23	19.12%	8.58		3.41E+08	8.77E+08	45.67%	100.00%	87.17%	2.38	4.76
0	7	7.17E-02	12.23	19.11%	8.44		3.41E+08	8.77E+08	45.67%	100.00%	87.17%	2.38	4.76
0	8	7.17E-02	12.23	19.12%	8.55		3.41E+08	8.77E+08	45.67%	100.00%	87.16%	2.38	4.76
0	9	7.17E-02	12.23	19.11%	8.48		3.41E+08	8.77E+08	45.67%	100.00%	87.16%	2.38	4.76
0	10	7.17E-02	12.23	19.12%	8.26		3.41E+08	8.77E+08	45.67%	100.00%	87.16%	2.38	4.76
0	11	7.17E-02	12.23	19.12%	8.39		3.41E+08	8.77E+08	45.67%	100.00%	87.25%	2.38	4.76
CMG 0 total		7.17E-02	146.74	19.12%	100.87	39.40%	4.10E+09	1.05E+10	45.67%	100.00%	87.18%	2.38	57.15

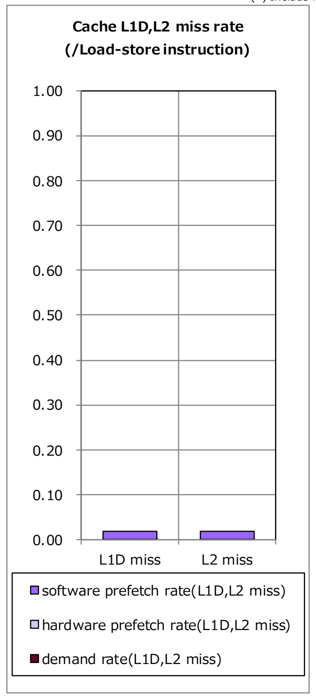
Cycle Accounting		Prefetch port busy wait: Prefetch port busy wait by hardware prefetch	Prefetch port busy wait: Prefetch port busy wait by software prefetch	Memory access wait & Cache access wait: Integer load memory access wait	Floating-point load memory access wait	Integer load L2 cache access wait	Integer load L1D cache access wait	Floating-point load L2 cache access wait	Floating-point load L1D cache access wait (*)	Operation wait: Integer operation wait	Floating-point operation wait	Other wait: Branch instruction wait	Other wait	Store port busy wait	Instruction fetch wait	Barrier synchronization wait	1 instruction commit	Other instruction commit: 2 instruction commit	3 instruction commit	4 instruction commit	Other instruction commit	Total
Process	Thread																					
0	0	2.25E-08	5.81E-08	8.37E-05	1.75E-03	4.70E-05	1.34E-04	4.22E-03	4.38E-03	5.68E-05	1.23E-02	2.55E-06	3.07E-05	0.00E+00	3.54E-05	4.30E-04	3.99E-03	3.07E-03	3.63E-03	3.75E-02	5.45E-06	7.17E-02
0	1	1.05E-08	4.46E-08	7.37E-05	1.24E-03	5.59E-05	1.75E-04	4.33E-03	4.31E-03	0.00E+00	1.26E-02	2.53E-06	3.97E-05	0.00E+00	9.13E-05	5.75E-04	4.06E-03	3.07E-03	3.67E-03	3.74E-02	0.00E+00	7.17E-02
0	2	1.19E-07	8.71E-08	8.30E-05	1.29E-03	5.84E-05	1.59E-04	4.46E-03	4.09E-03	6.99E-05	1.26E-02	2.40E-06	4.26E-05	0.00E+00	1.02E-04	5.09E-04	4.06E-03	3.07E-03	3.69E-03	3.74E-02	0.00E+00	7.17E-02
0	3	1.25E-08	4.11E-08	8.70E-05	1.30E-03	5.72E-05	1.52E-04	4.51E-03	4.09E-03	6.75E-05	1.25E-02	2.49E-06	4.05E-05	0.00E+00	9.47E-05	5.33E-04	4.04E-03	3.04E-03	3.66E-03	3.75E-02	1.22E-06	7.17E-02
0	4	1.35E-08	2.80E-08	7.89E-05	1.25E-03	5.79E-05	1.68E-04	4.49E-03	4.12E-03	6.46E-05	1.26E-02	2.27E-06	5.48E-05	0.00E+00	1.99E-04	2.92E-04	4.12E-03	3.07E-03	3.69E-03	3.74E-02	0.00E+00	7.17E-02
0	5	5.31E-08	9.46E-08	7.52E-05	1.29E-03	5.86E-05	1.46E-04	4.50E-03	4.03E-03	7.28E-05	1.26E-02	2.40E-06	4.00E-05	0.00E+00	9.10E-05	6.12E-04	4.05E-03	3.05E-03	3.67E-03	3.74E-02	0.00E+00	7.17E-02
0	6	2.85E-08	6.51E-08	8.70E-05	1.23E-03	6.12E-05	1.67E-04	4.45E-03	4.22E-03	0.00E+00	1.26E-02	2.50E-06	4.09E-05	0.00E+00	8.27E-05	5.00E-04	4.06E-03	3.04E-03	3.67E-03	3.74E-02	9.17E-07	7.17E-02
0	7	9.52E-09	3.61E-08	7.55E-05	1.28E-03	5.92E-05	1.50E-04	4.59E-03	4.08E-03	6.77E-05	1.25E-02	2.33E-06	3.90E-05	0.00E+00	8.60E-05	4.91E-04	4.06E-03	3.09E-03	3.71E-03	3.74E-02	0.00E+00	7.17E-02
0	8	0.00E+00	4.35E-08	9.28E-05	1.29E-03	5.93E-05	1.58E-04	4.58E-03	4.11E-03	5.88E-05	1.25E-02	2.51E-06	3.78E-05	0.00E+00	7.68E-05	4.68E-04	4.06E-03	3.05E-03	3.68E-03	3.74E-02	1.90E-08	7.17E-02
0	9	1.85E-08	3.35E-08	8.16E-05	1.21E-03	5.94E-05	1.75E-04	4.45E-03	4.11E-03	6.08E-05	1.26E-02	2.47E-06	5.60E-05	0.00E+00	1.89E-04	3.68E-04	4.14E-03	3.04E-03	3.68E-03	3.74E-02	4.32E-07	7.17E-02
0	10	2.65E-08	4.75E-08	8.44E-05	1.27E-03	5.92E-05	1.50E-04	4.58E-03	4.07E-03	7.22E-05	1.25E-02	2.28E-06	4.07E-05	0.00E+00	8.54E-05	5.07E-04	4.05E-03	3.03E-03	3.68E-03	3.74E-02	0.00E+00	7.17E-02
0	11	2.65E-08	7.36E-08	8.45E-05	1.26E-03	5.95E-05	1.65E-04	4.52E-03	4.17E-03	0.00E+00	1.26E-02	2.55E-06	3.97E-05	0.00E+00	9.01E-05	4.49E-04	4.06E-03	3.05E-03	3.68E-03	3.74E-02	1.33E-07	7.17E-02
CMG 0 total		2.84E-08	5.44E-08	8.23E-05	1.31E-03	5.77E-05	1.58E-04	4.47E-03	4.15E-03	4.93E-05	1.26E-02	2.44E-06	4.19E-05	0.00E+00	1.02E-04	4.78E-04	4.06E-03	3.06E-03	3.68E-03	3.74E-02	6.81E-07	7.17E-02

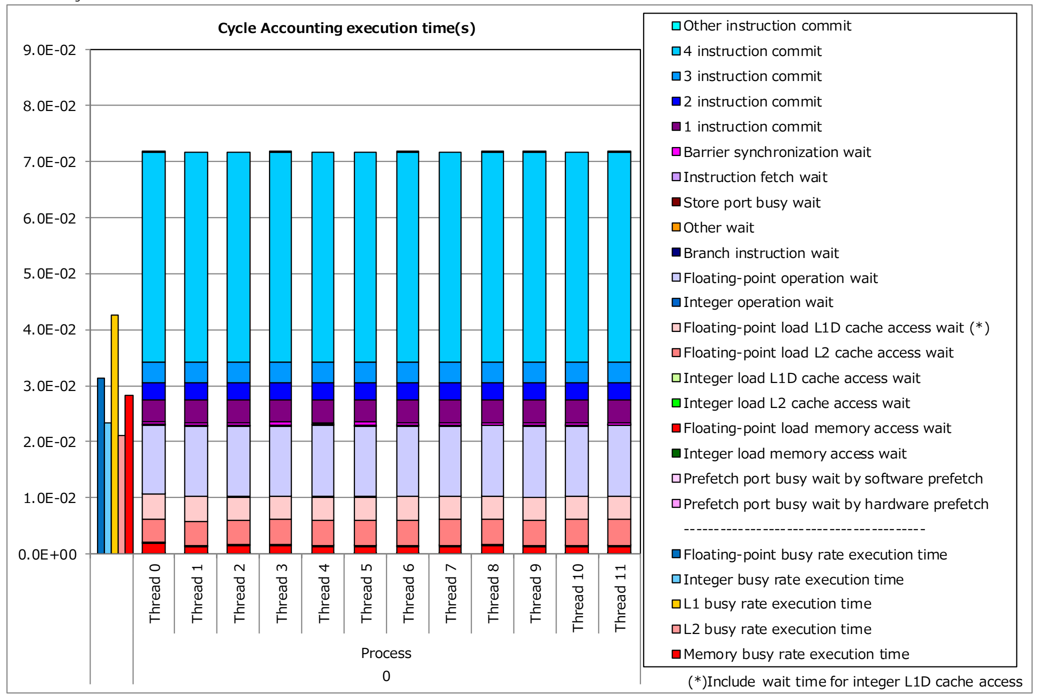
(*) Include wait time for integer L1D cache access

Busy		Floating-point operation pipeline A busy rate (%)	Floating-point operation pipeline B busy rate (%)	Integer operation pipeline A busy rate (%)	Integer operation pipeline B busy rate (%)	L1 busy rate (%)	L2 busy rate (%)	Memory busy rate (%)	Address calculation operation pipeline A busy rate (%)	Address calculation operation pipeline B busy rate (%)	Floating-point pipeline A Active element rate (%)	Floating-point pipeline B Active element rate (%)	L1 pipeline 0 Active element rate (%)	L1 pipeline 1 Active element rate (%)	SFI(Store Fetch Interlock) rate
Process	Thread														
0	0	57.61%	29.91%	25.70%	39.43%	59.49%	29.59%	39.40%	53.42%	53.52%	80.55%	100.00%	100.00%	100.00%	0.05
0	1	57.53%	29.83%	25.98%	39.70%	59.25%			53.68%	53.76%	80.50%	100.00%	100.00%	100.00%	0.05
0	2	57.57%	29.83%	25.83%	39.56%	59.29%			53.48%	53.61%	80.51%	100.00%	100.00%	100.00%	0.05
0	3	57.54%	29.83%	25.94%	39.70%	59.27%			53.65%	53.75%	80.50%	100.00%	100.00%	100.00%	0.05
0	4	57.52%	29.88%	25.89%	39.51%	59.29%			53.47%	53.61%	80.49%	100.00%	100.00%	100.00%	0.05
0	5	57.53%	29.83%	25.87%	39.56%	59.26%			53.49%	53.61%	80.50%	100.00%	100.00%	100.00%	0.05
0	6	57.50%	29.84%	25.86%	39.48%	59.25%			53.48%	53.52%	80.49%	100.00%	100.00%	100.00%	0.05
0	7	57.52%	29.83%	25.86%	39.50%	59.26%			53.49%	53.56%	80.50%	100.00%	100.00%	100.00%	0.05
0	8	57.94%	30.05%	25.85%	39.48%	59.69%			53.46%	53.55%	80.50%	100.00%	100.00%	100.00%	0.05
0	9	57.52%	29.83%	25.87%	39.52%	59.27%			53.46%	53.56%	80.49%	100.00%	100.00%	100.00%	0.05
0	10	57.54%	29.82%	25.85%	39.52%	59.27%			53.46%	53.55%	80.50%	100.00%	100.00%	100.00%	0.05
0	11	57.68%	29.91%	25.97%	39.61%	59.41%			53.63%	53.78%	80.59%	100.00%	100.00%	100.00%	0.05
CMG 0 total		57.58%	29.87%	25.87%	39.55%	59.33%	29.59%	39.40%	53.51%	53.62%	80.51%	100.00%	100.00%	100.00%	0.05

Cache		L1I miss rate (/Effective instruction)	Load-store instruction	L1D miss	L1D miss rate (/Load-store instruction)	L1D miss demand rate (%) (/L1D miss)	L1D miss hardware prefetch rate (%) (/L1D miss)	L1D miss software prefetch rate (%) (/L1D miss)	L2 miss	L2 miss rate (/Load-store instruction)	L2 miss demand rate (%) (/L2 miss)	L2 miss hardware prefetch rate (%) (/L2 miss)	L2 miss software prefetch rate (%) (/L2 miss)	L1D TLB miss rate (/Load-store instruction)	L2D TLB miss rate (/Load-store instruction)
Process	Thread														
0	0	0.00	1.16E+08	2.14E+06	0.02	2.04%	1.30%	96.65%	2.10E+06	0.02	8.87%	0.70%	90.43%	0.00000	0.00000
0	1	0.00	1.16E+08	2.14E+06	0.02	3.13%	0.00%	96.86%	2.10E+06	0.02	8.73%	0.62%	90.65%	0.00000	0.00000
0	2	0.00	1.16E+08	2.14E+06	0.02	3.12%	0.03%	96.84%	2.10E+06	0.02	8.73%	0.65%	90.62%	0.00000	0.00000
0	3	0.00	1.16E+08	2.14E+06	0.02	3.13%	0.03%	96.84%	2.10E+06	0.02	8.72%	0.63%	90.65%	0.00000	0.00000
0	4	0.00	1.16E+08	2.14E+06	0.02	3.13%	0.00%	96.86%	2.10E+06	0.02	8.73%	0.64%	90.63%	0.00000	0.00000
0	5	0.00	1.16E+08	2.14E+06	0.02	3.13%	0.00%	96.87%	2.10E+06	0.02	8.77%	0.57%	90.66%	0.00000	0.00000
0	6	0.00	1.16E+08	2.14E+06	0.02	3.14%	0.00%	96.86%	2.10E+06	0.02	8.75%	0.60%	90.65%	0.00000	0.00000
0	7	0.00	1.16E+08	2.14E+06	0.02	3.13%	0.00%	96.87%	2.10E+06	0.02	8.74%	0.63%	90.64%	0.00000	0.00000
0	8	0.00	1.16E+08	2.14E+06	0.02	3.13%	0.00%	96.87%	2.10E+06	0.02	8.74%	0.61%	90.65%	0.00000	0.00000
0	9	0.00	1.16E+08	2.14E+06	0.02	3.13%	0.00%	96.87%	2.10E+06	0.02	8.75%	0.60%	90.66%	0.00000	0.00000
0	10	0.00	1.16E+08	2.14E+06	0.02	3.13%	0.00%	96.87%	2.10E+06	0.02	8.75%	0.58%	90.67%	0.00000	0.00000
0	11	0.00	1.16E+08	2.14E+06	0.02	3.13%	0.00%	96.87%	2.10E+06	0.02	8.72%	0.64%	90.64%	0.00000	0.00000
CMG 0 total		0.00	1.39E+09	2.57E+07	0.02	3.04%	0.12%	96.85%	2.52E+07	0.02	8.75%	0.62%	90.63%	0.00000	0.00000







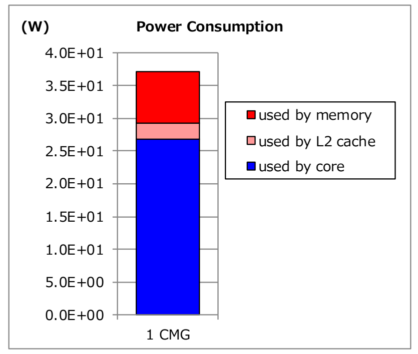
Instruction		Load-store instruction: Load instruction: SIMD: Single vector contiguous load instruction	Multiple vector contiguous structure load instruction	Non-contiguous gather load instruction	Broadcast load instruction	Floating-point register fill instruction	Predicate register fill instruction	First-fault load instruction	Load instruction: Non-SIMD: Non-SIMD load instruction	Store instruction: SIMD: Single vector contiguous store instruction	Multiple vector contiguous structure store instruction	Non-contiguous scatter store instruction	Floating-point register spill instruction	Predicate register spill instruction	Store instruction: Non-SIMD: Non-SIMD store instruction	Prefetch instruction: Contiguous prefetch instruction	Gathering prefetch instruction	Scalar prefetch instruction	DCZVA instruction	Floating-point instruction: Floating-point instruction except FMA and reciprocal	FMA instruction	Floating-point reciprocal instruction	Floating-point move and conversion instruction: Floating-point conversion instruction	Floating-point move instruction	Integer instruction	Branch instruction	Predicate instruction	Crypto-graphic instruction	Other instruction	Total
Process	Thread																													
0	0	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.45E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	1	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	2	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	3	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	4	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	5	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	6	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	7	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	8	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	9	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	10	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
0	11	3.99E+07	0.00E+00	0.00E+00	0.00E+00	1.28E+06	1.70E+01	0.00E+00	5.86E+07	5.12E+06	0.00E+00	0.00E+00	1.60E+03	0.00E+00	1.08E+07	0.00E+00	0.00E+00	1.40E+07	8.00E+00	1.13E+07	4.92E+07	0.00E+00	0.00E+00	4.92E+07	0.00E+00	9.41E+05	1.01E+02	0.00E+00	1.01E+08	3.41E+08
CMG 0 total		4.79E+08	0.00E+00	0.00E+00	0.00E+00	1.54E+07	2.04E+02	0.00E+00	7.03E+08	6.14E+07	0.00E+00	0.00E+00	1.92E+04	0.00E+00	1.30E+08	0.00E+00	0.00E+00	1.67E+08	9.60E+01	1.35E+08	5.90E+08	0.00E+00	0.00E+00	5.90E+08	0.00E+00	1.13E+07	1.21E+03	0.00E+00	1.21E+09	4.10E+09
		1.39E+09														1.67E+08			9.60E+01	7.25E+08			5.90E+08		0.00E+00	1.13E+07	1.21E+03	0.00E+00	1.21E+09	4.10E+09

Power Consumption (W)		Power consumption used by core	Power consumption used by L2 cache	Power consumption used by memory
Process	Thread			
0	0	2.24E+00	2.32E+00	7.95E+00
0	1	2.24E+00		
0	2	2.24E+00		
0	3	2.24E+00		
0	4	2.23E+00		
0	5	2.24E+00		
0	6	2.24E+00		
0	7	2.24E+00		
0	8	2.24E+00		
0	9	2.24E+00		
0	10	2.24E+00		
0	11	2.24E+00		
CMG 0 total		2.69E+01	2.32E+00	7.95E+00

Hardware Prefetch Rate (%) (/Hardware Prefetch)		L1: Stream mode prefetch rate	L1: Injection mode allocate prefetch rate	L1: Injection mode unallocate prefetch rate	L2: Stream mode prefetch rate	L2: Injection mode allocate prefetch rate	L2: Injection mode unallocate prefetch rate	L1/L2: Other hardware prefetch
Process	Thread							
0	0	0.28%	0.00%	0.00%	0.07%	0.00%	0.00%	99.65%
0	1	0.33%	0.00%	0.00%	0.11%	0.00%	0.00%	99.55%
0	2	0.32%	0.00%	0.00%	0.08%	0.00%	0.00%	99.59%
0	3	0.33%	0.00%	0.00%	0.08%	0.00%	0.00%	99.59%
0	4	0.29%	0.00%	0.00%	0.08%	0.00%	0.00%	99.63%
0	5	0.33%	0.00%	0.00%	0.08%	0.00%	0.00%	99.59%
0	6	0.32%	0.00%	0.00%	0.08%	0.00%	0.00%	99.60%
0	7	0.31%	0.00%	0.00%	0.08%	0.00%	0.00%	99.60%
0	8	0.33%	0.00%	0.00%	0.08%	0.00%	0.00%	99.59%
0	9	0.31%	0.00%	0.00%	0.11%	0.00%	0.00%	99.57%
0	10	0.34%	0.00%	0.00%	0.08%	0.00%	0.00%	99.59%
0	11	0.34%	0.00%	0.00%	0.09%	0.00%	0.00%	99.57%
CMG 0 total		0.32%	0.00%	0.00%	0.09%	0.00%	0.00%	99.60%

FLOPS		Double precision floating-point operation	Single precision floating-point operation	Half precision floating-point operation	GFLOPS by Active element rate
Process	Thread				
0	0	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	1	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	2	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	3	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	4	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	5	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	6	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	7	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	8	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	9	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	10	8.77.E+08	0.00.E+00	0.00.E+00	10.66
0	11	8.77.E+08	0.00.E+00	0.00.E+00	10.67
CMG 0 total		1.05.E+10	0.00.E+00	0.00.E+00	127.92

Extra		Gather instruction rate (%): 0 flow rate (%)	1 flow rate (%)	2 flows rate (%)	Instruction: Micro-operation instruction	Element manipulated instruction	Register manipulated instruction	MOVPRFX instruction	Math functional instruction	Micro decomposition instruction rate (%)	Branch prediction miss rate (%)
Process	Thread										
0	0	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	6.41E+03	1.92E+06	0.00E+00	100.00%	0.11%
0	1	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.86%
0	2	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.12%
0	3	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.10%
0	4	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.81%
0	5	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.11%
0	6	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.81%
0	7	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	1.36%
0	8	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.80%
0	9	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.10%
0	10	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.12%
0	11	0.00%	0.00%	0.00%	3.44E+08	4.92E+07	1.00E+00	1.92E+06	0.00E+00	100.00%	0.76%
CMG 0 total		0.00%	0.00%	0.00%	4.13E+09	5.90E+08	6.42E+03	2.30E+07	0.00E+00	100.00%	0.51%
		0.00%			4.13E+09	5.90E+08		2.30E+07	0.00E+00	100.00%	0.51%



Data Transfer CMGs		Destination (GB/s): Own memory	Other memory	Tofu	PCI
CMG 0 total	read	8.99E+01	7.20E-03	0.00E+00	0.00E+00
	write	1.10E+01	4.86E-03	0.00E+00	0.00E+00