

# Execution time comparisons

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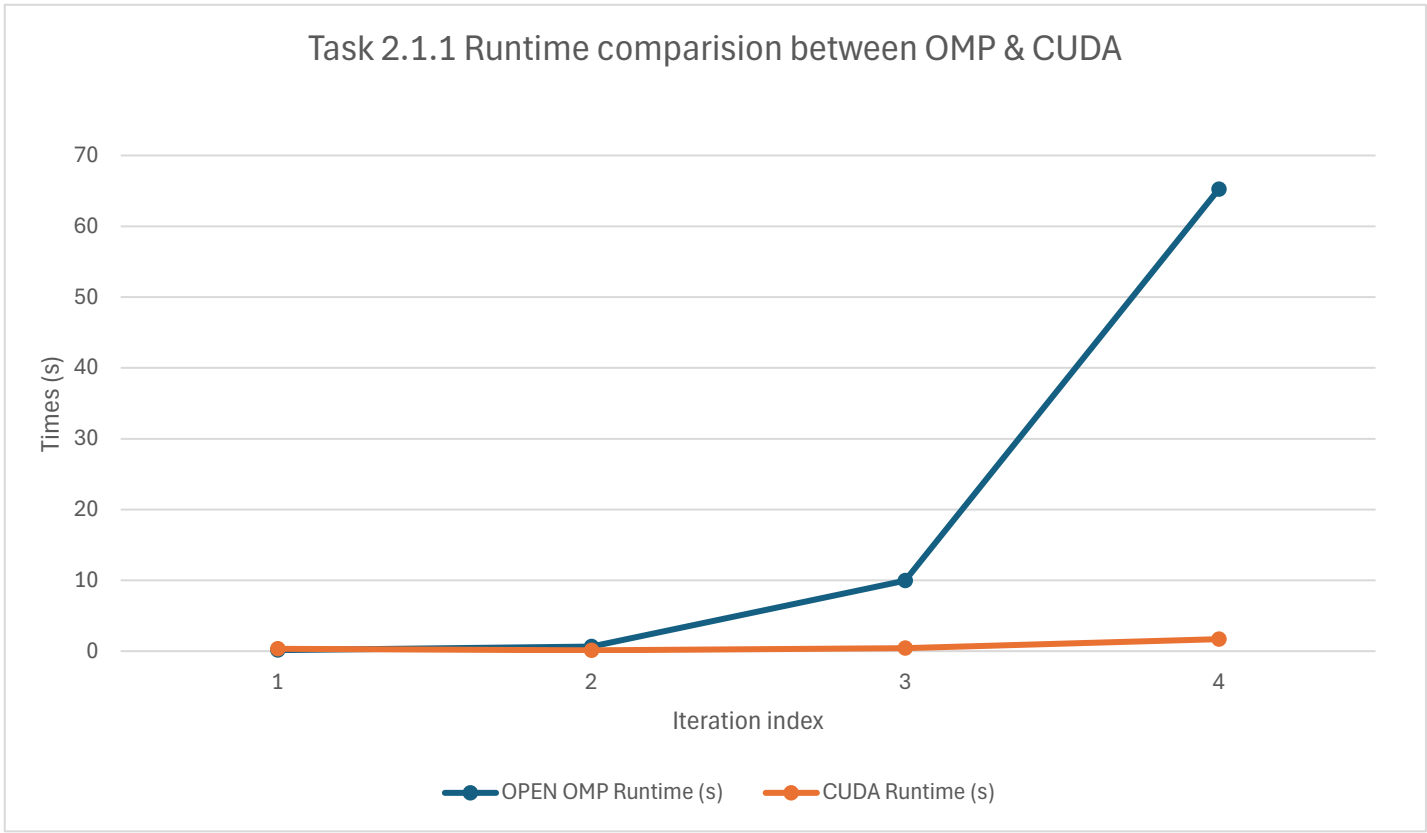
\*Note: For OPEN OMP I don't test for above 2500 iterations

\*\* Since the VM machine is not stable, the results might not be consintence.

✂ Task 2.1.1

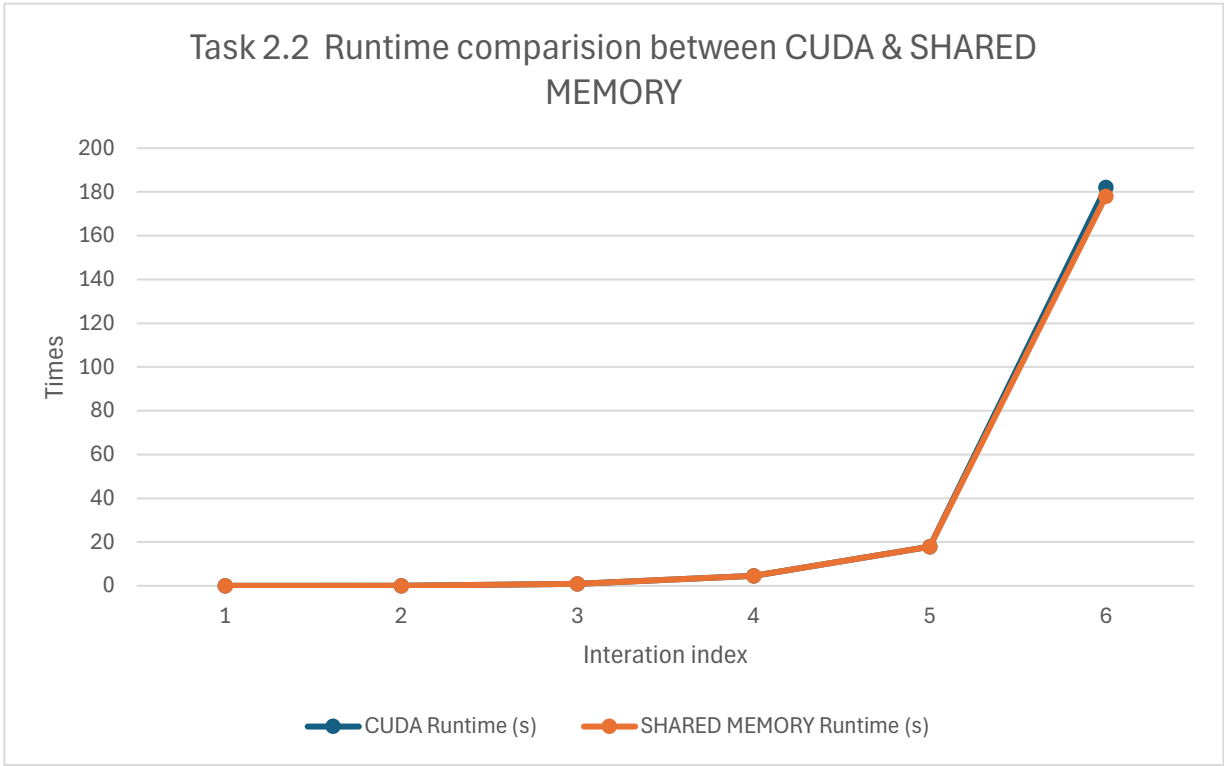
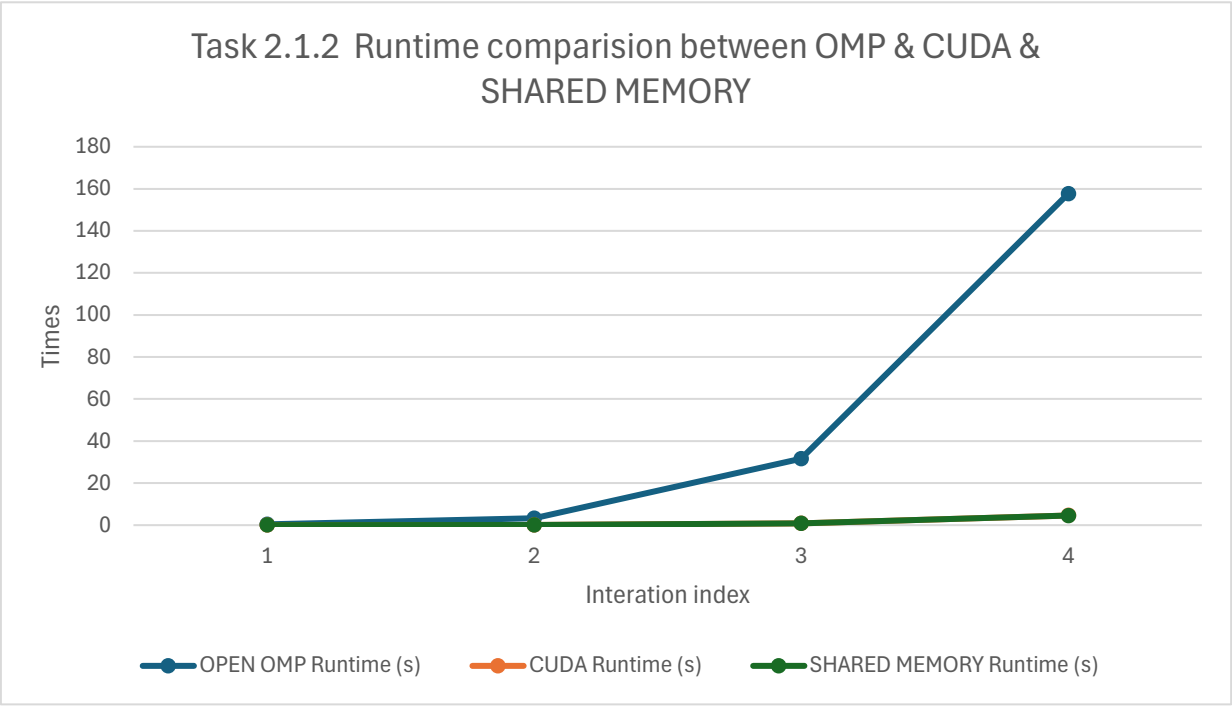
- Image name : garden-storeo.jpg
- Anaglyph type: True Anaglyph

	Iterations Index	1	2	3	4	5	6
	Iterations	5	50	500	2500	10000	100000
OPEN OMP	Runtime (s)	0.1427	0.6563	9.9457	65.2212	-	-
	Avarage Runtime (s)	0.0285	0.1312	0.0198	0.2601	-	-
CUDA	Runtime (s)	0.3533	0.1161	0.43	1.69594	6.6849	54.5376
	Avarage Runtime (s)	0.0706	0.0023	0.00086	0.000678	0.000668	0.000545



- ※ Task 2.1.2 + 2.2
- Image name : garden-storeo.jpg
  - Anaglyph type: None
  - Kernel size: 7
  - Sigma: 3

	Iterations Index	1	2	3	4	5	6
	Iterations	5	50	500	2500	10000	100000
OPEN OMP	Runtime (s)	0.3934	3.3193	31.6505	157.698	-	-
	Avarage Runtime (s)	0.0786	0.0663	0.0633	0.063	-	-
CUDA	Runtime (s)	0.0101	0.0931	0.9129	4.57806	17.911	182.161
	Avarage Runtime (s)	0.002	0.0018	0.00182	0.00183	0.00179	0.00182
SHARED MEMORY	Runtime (s)	0.01	0.0912	0.915	4.57	17.889	178.084
	Avarage Runtime (s)	0.002	0.0018	0.0018	0.0018	0.00179	0.00178



- ※ Task 2.1.3
 
  - Image name : noise.png
  - Neiborhood size: 5
  - Fractor ratio: 1

	Iterations Index	1	2	3	4	5	6
	Iterations	5	50	500	2500	10000	100000
OPEN OMP	Runtime (s)	2.2115	21.0613	205.124	1019.58	-	-
	Avarage Runtime (s)	0.4423	0.4212	0.410247	0.4078	-	-
CUDA	Runtime (s)	0.160368	0.13959	0.452206	2.1084	7.88107	71.8123
	Avarage Runtime (s)	0.0321277	0.00279	0.0009	0.00084	0.00078	0.000718

