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GPU Research Week 3

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Size/System	Intel Core i3-7100 CPU @ 3.90GHz (CPU) Nvidia Geforce GTX 1050 TI (GPU)		
	Method	Speed(seconds)	Speedup(Ts/Tp)
512x512	Sequential	5.906498e-01	
	OpenACC	1.162069e-01	5.083 (508.3%)
	CUDA Global Memory	2.288103e-03	258.14 (25814%)
	CUDA Shared Memory	1.162052e-03	508.282 (50828.2%)
1024x1024	Sequential	13.35325	
	OpenACC	1.308241e-01	102.07 (10207%)
	CUDA Global Memory	1.847792e-02	722.67 (72267%)
	CUDA Shared Memory	9.077072e-03	1471.099 (147
2048x2048	Sequential	106.4078	
	OpenACC	3.450470e-01	308.386 (30838.6%)
	CUDA Global Memory	1.281788e-01	830.151 (83015.1%)
	CUDA Shared Memory	7.176995e-02	1482.623 (148262.3%)
4096x4096	Sequential	874.135	
	OpenACC	1.7556	497.912 (49791.2%)
	CUDA Global Memory	1.0862	804.764 (80476.4%)
	CUDA Shared Memory	5.1807e-01	1687.291 (168729.1%)
8192x8192	Sequential		
	OpenACC	12.68030	
	CUDA Global Memory	8.737388	
	CUDA Shared Memory	3.633853	

Computation Time Line Graph (Log2 axis)

