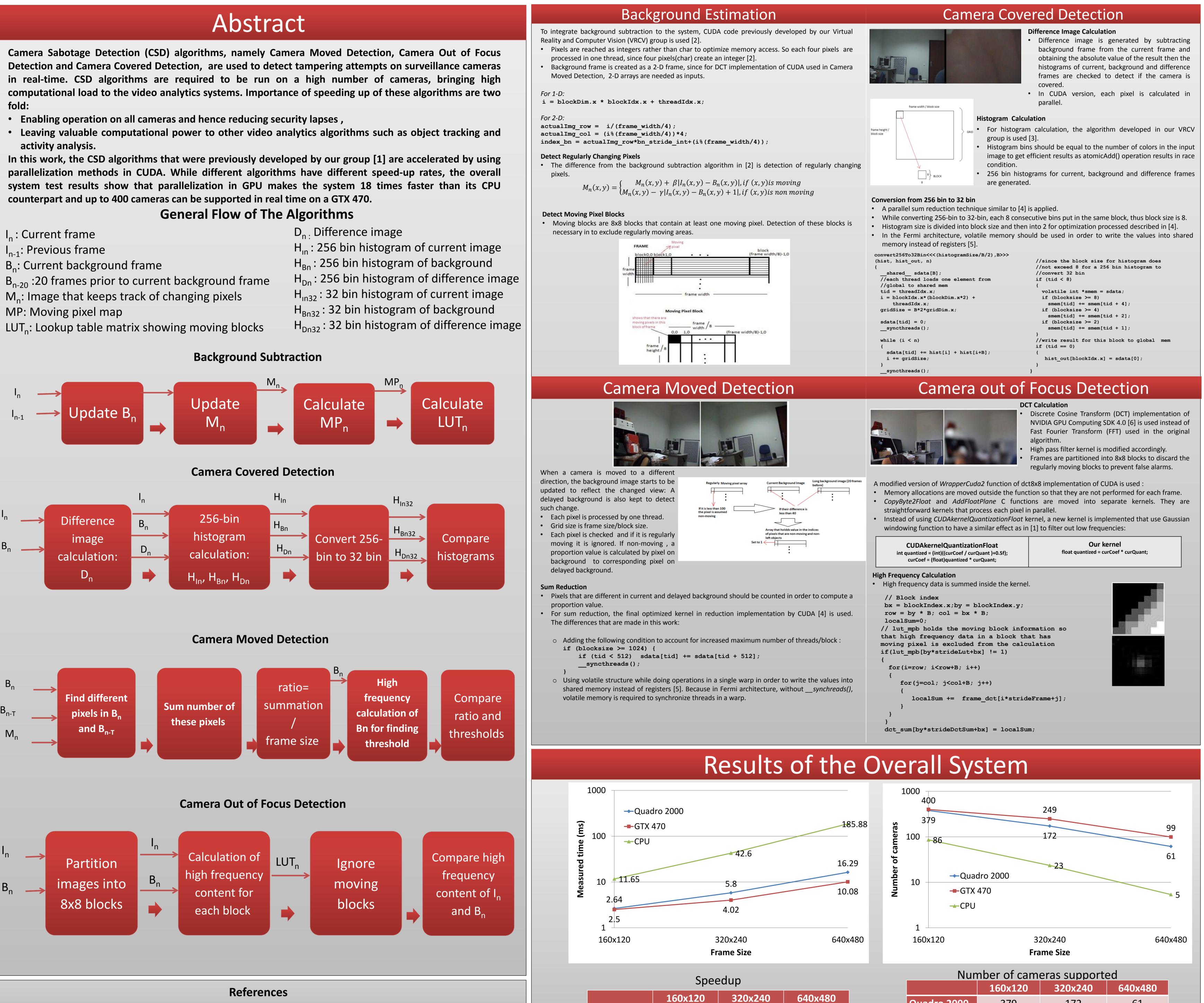




activity analysis.

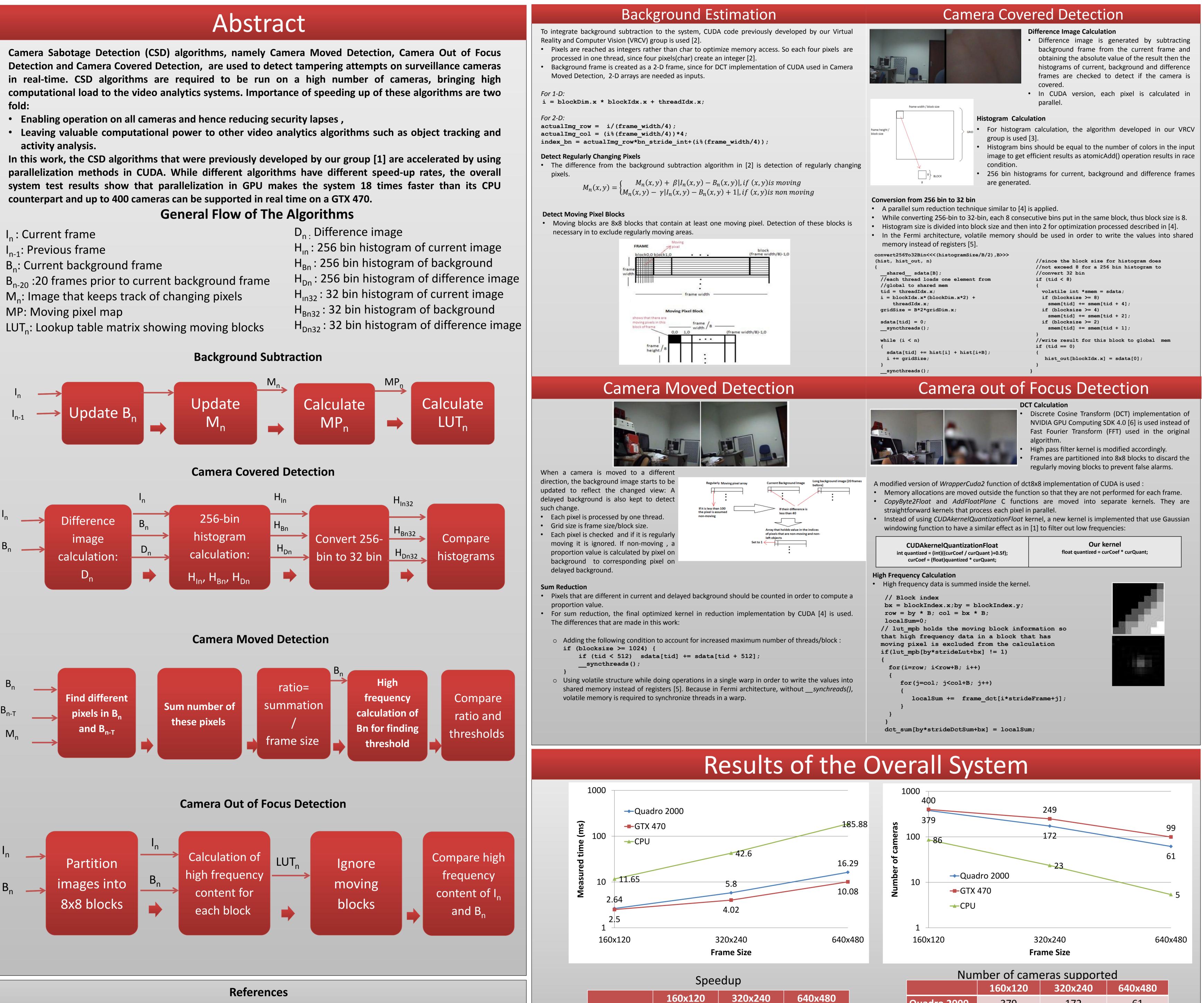
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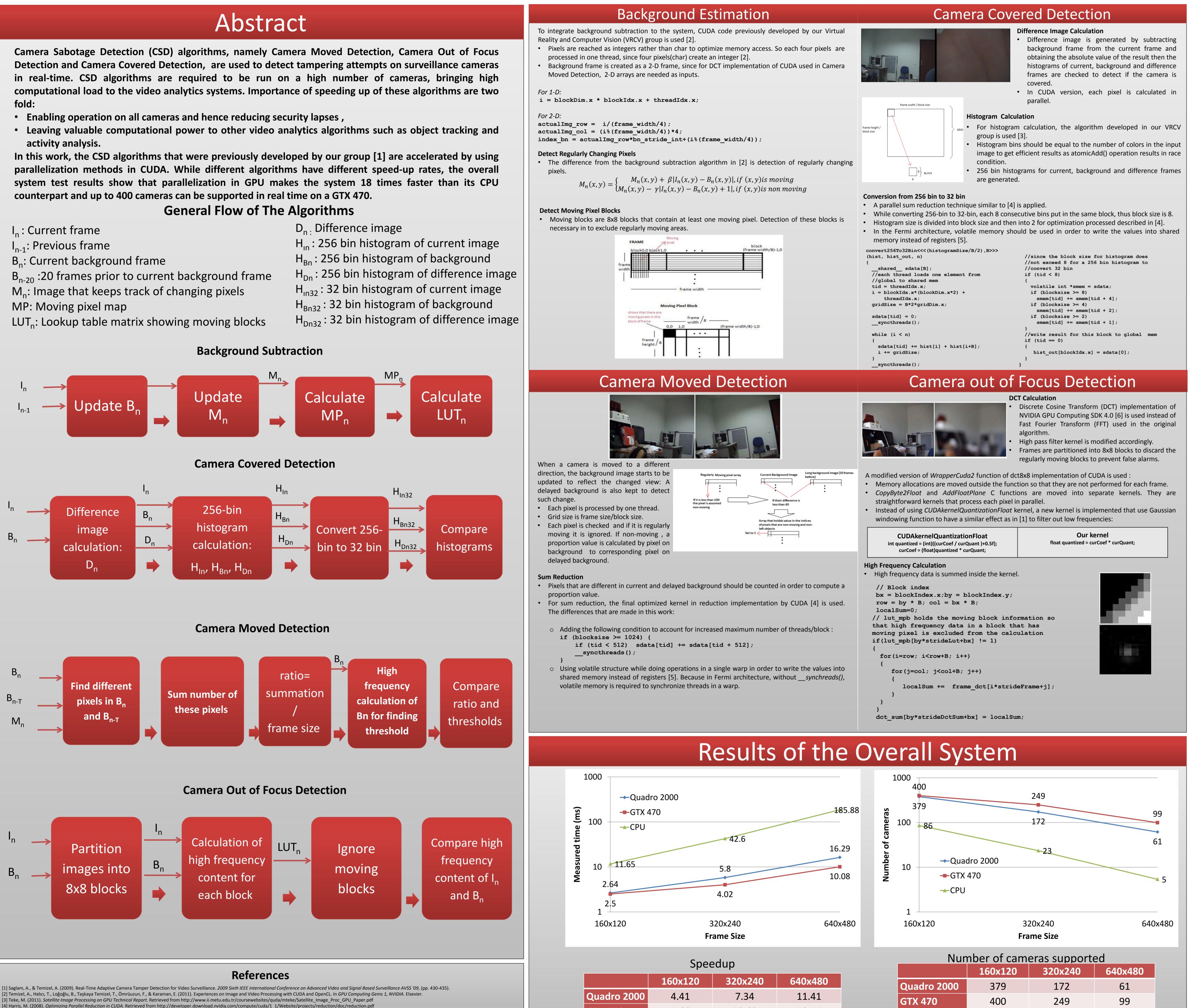


4.66

GTX 470

10.60





Speeding Up Camera Sabotage Detection on CUDA

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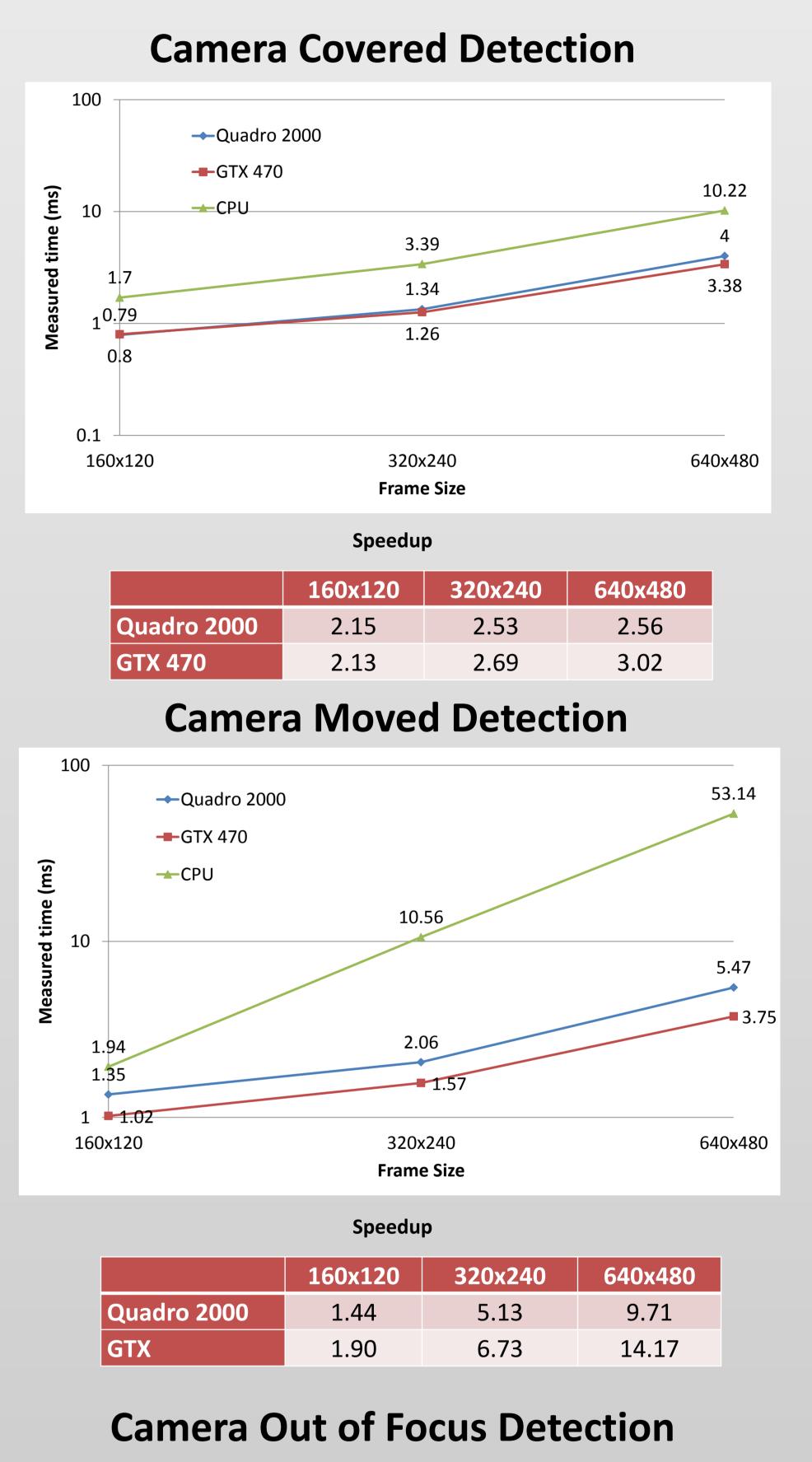
2010, August). Fermi Compatibility Guide for CUDA Applications. Retrieved from http://developer.download.nvidia.com/compute/cuda/3 2/toolkit/docs/Fermi Compatibility Guide.pdf Obukhov, A., & Kharlamov, A. (2008, October). Discrete Cosine Transform for 8x8 Blocks with CUDA. Retrieved from http://developer.download.nvidia.com/compute/DevZone/C/html/C/src/dct8x8/doc/dct8x8.pdf

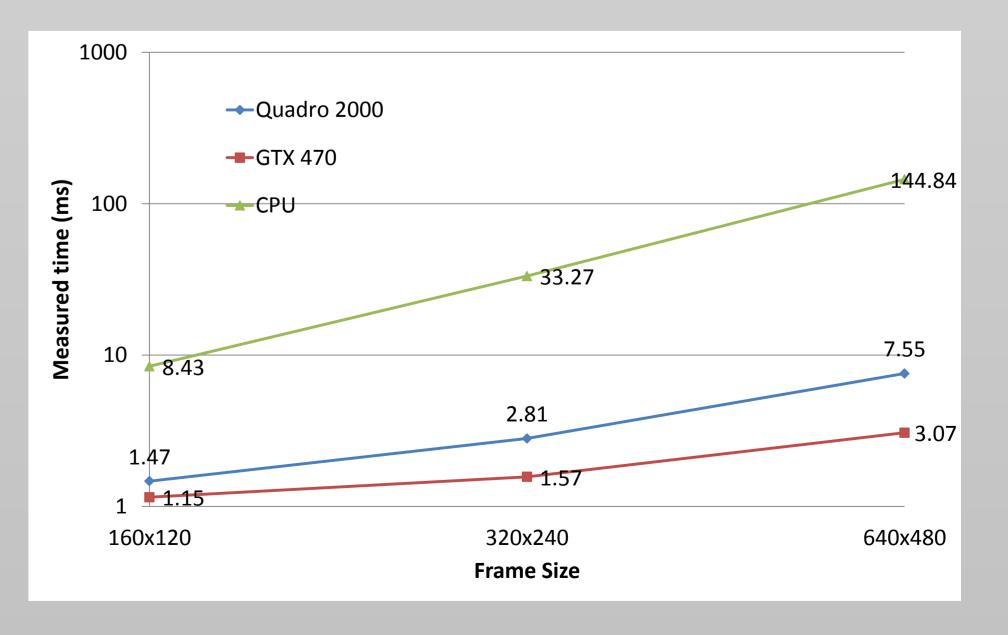
	Num	Number of cameras supported			
		160x120	320x240	640x480	
(480	Quadro 2000	379	172	61	
.41 .44	GTX 470	400	249	99	
	CPU	86	23	5	



Results of Used Algorithms

Experiments are performed on a PC having Intel Core i7 CPU and 3.5 GB usable RAM. The GPU algorithms are tested with Quadro 2000 and NVIDIA GTX 470.





Speedup						
	160x120	320x240	640x480			
Quadro 2000	5.73	11.84	19.18			
GTX 470	7.33	21.19	47.18			