

Weekly Report

Week 18: 15/06/2015 - 19/06/2015

Work Developed

This week, writing of the dissertation was continued and more results for larger images were extracted. The results include the measurement of PSNR and SSIM. The results can be seen on the tables below.

Challenges

Next Tasks

Next week, work will be focused on finishing the writing of the dissertation.

σ	Noisy	City		Coat		Bridge		Palace		NYC	
		SW	HW	SW	HW	SW	HW	SW	HW	SW	HW
10	28.14	34.27	31.95	37.61	36.59	35.21	33.02	35.83	34.29	38.08	37.29
20	22.11	30.31	28.28	34.32	33.29	31.45	29.24	32.23	30.44	34.29	33.59
30	18.59	28.15	26.28	32.28	30.85	29.18	26.97	30.14	28.21	32.02	31.25
40	16.09	26.01	24.88	30.70	28.84	27.02	25.30	28.47	26.56	30.24	29.38
50	14.14	25.30	23.83	29.83	27.06	26.11	23.98	27.43	25.20	29.31	27.76

Table 1: PSNR (dB) results comparison for 1,2,3,5 and 8 MP images.

σ	Noisy	City		Coat		Bridge		Palace		NYC	
		SW	HW	SW	HW	SW	HW	SW	HW	SW	HW
10	0.582	0.944	0.920	0.927	0.920	0.941	0.921	0.940	0.924	0.951	0.949
20	0.331	0.882	0.856	0.874	0.882	0.889	0.871	0.878	0.858	0.896	0.910
30	0.222	0.819	0.804	0.817	0.844	0.831	0.824	0.818	0.811	0.834	0.877
40	0.162	0.748	0.761	0.759	0.809	0.766	0.780	0.759	0.776	0.770	0.848
50	0.124	0.715	0.725	0.739	0.775	0.737	0.740	0.727	0.747	0.746	0.821

Table 2: SSIM results comparison for 1,2,3,5 and 8 MP images.