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template: project.j2
date: 2019-04-18
title: Single-step DFT subpixel registration under Poisson noise

Original and shifted images at various noise levels

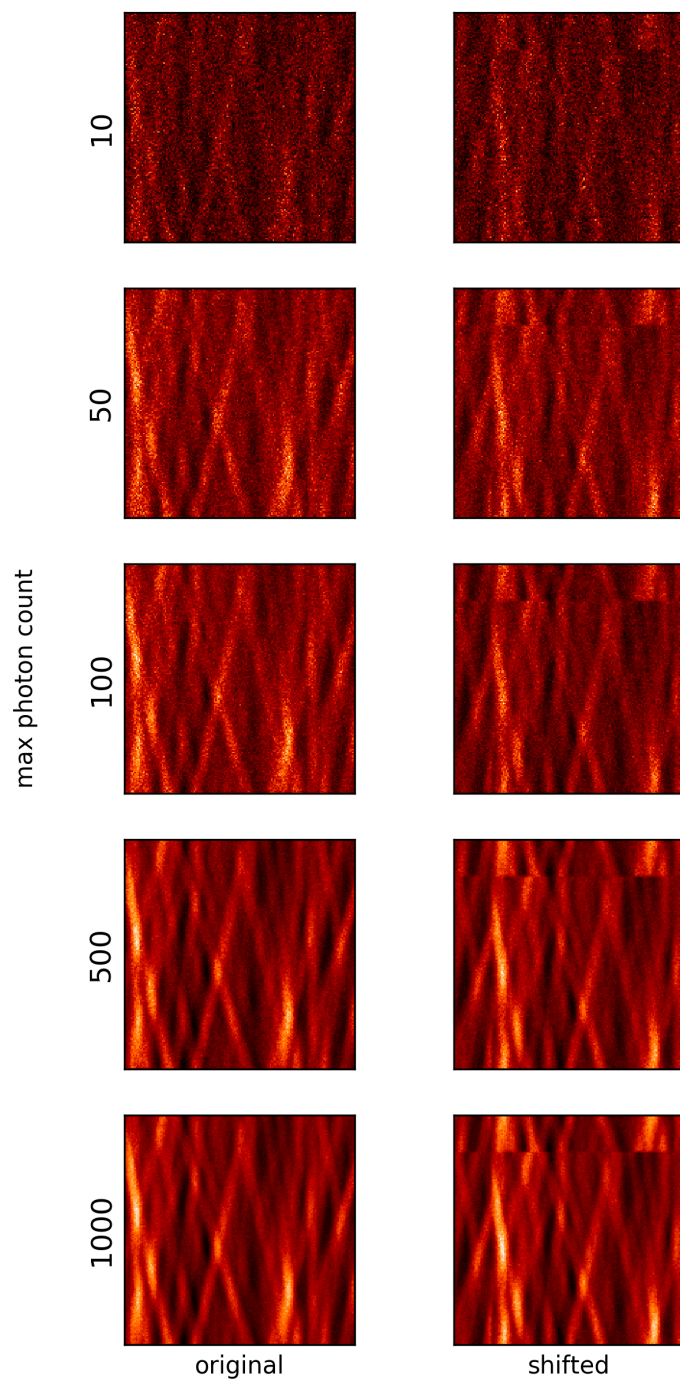


Figure 1: pairs of images that will be used to test registration

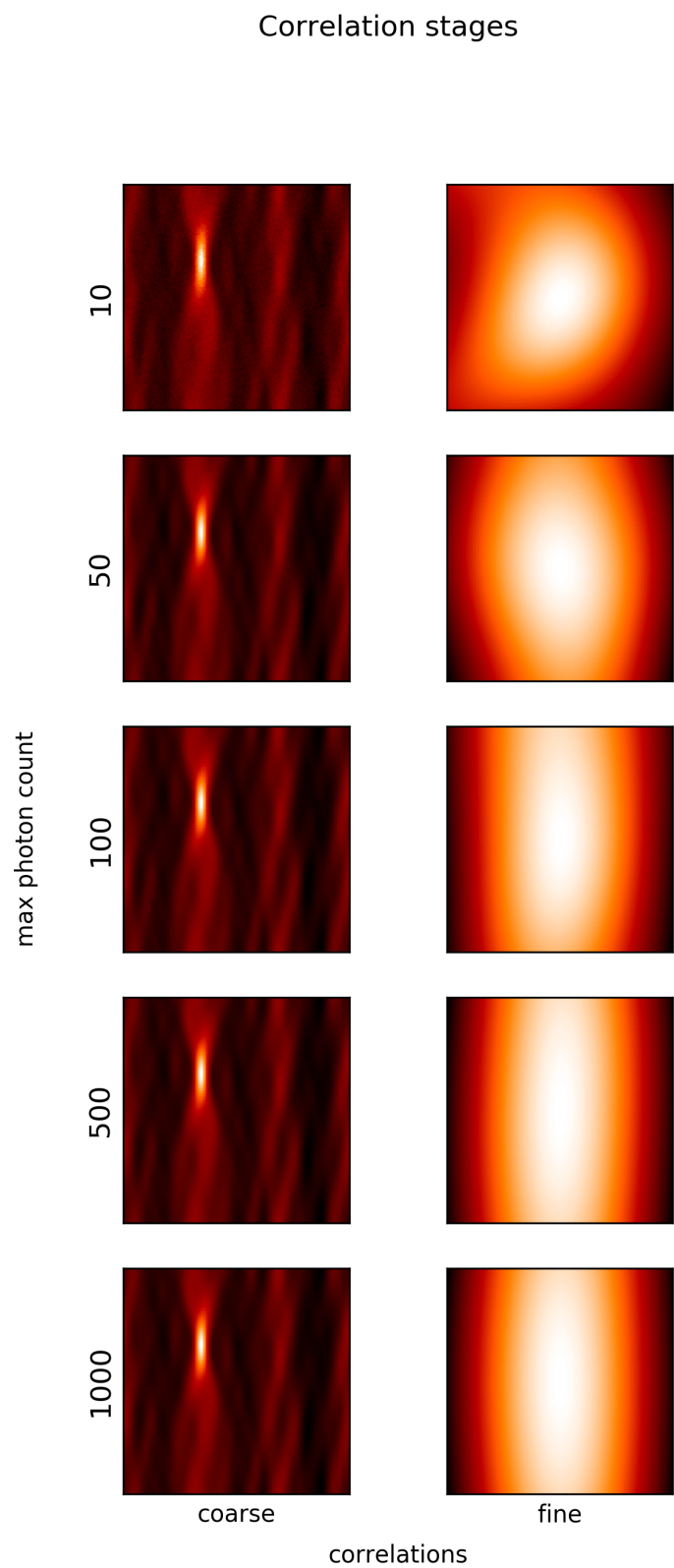


Figure 2: Coarse and fine correlation maps. Coarse is over a 160x160 region (the whole image), while fine is over a single pixel

Max photon count	offset error (px)
10	0.55
50	0.27
100	0.20
500	0.09
1000	0.07