

Joint Rubin/Euclid image deconvolution

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We present a novel multi-band deconvolution technique aimed at improving the resolution of ground-based astronomical images by leveraging higher-resolution space-based observations. Our method focuses on the joint deconvolution of LSST and Euclid images, effectively utilizing the overlapping spectral coverage of the Rubin r,i, and z-bands with the Euclid VIS band. We also describe the performance of DRUNet to further denoise the deconvolved images.

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