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Type: **Abstract**

Measuring Galaxy Shapes with Deep Learning

I'm developing a method to measure galaxy shapes, which are used for weak lensing shear cosmology, using deep learning techniques. I use a convolutional neural network (CNN) to measure galaxy ellipticities from input images of simulated galaxies. The method includes PSF correction and calibration of the weak lensing shear using a method called Metacalibration.

Poster

No

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