

Abstract Submitted
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Optics and Imaging for the Dark Energy Survey Camera. VIC SCARPINE, Fermilab, DARK ENERGY SURVEY COLLABORATION — The Dark Energy Survey (DES) project is a next generation southern hemisphere sky survey utilizing the Blanco 4-meter telescope at CTIO. The survey science goals are to extract information about dark energy utilizing galaxy clustering, galaxy angular power spectra, weak lensing and type Ia supernovae. To accomplish this survey the DES collaboration will build a 500 megapixel camera with a 2.2 degree field of view at prime focus covering the g, r, i and z filter bands. Essential to this camera is the design of wide-field corrector optics that will provide adequate imaging to perform the science goals. Presented are the corrector optical design and the imaging performance of the DES camera with respect to the science goals.

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