

ABSOLUTE CALIBRATION OF KEPLER USING WHITE DWARFS

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We propose to use newly discovered white dwarfs together with Cycle 1 white dwarfs in the Kepler Field to help establish the absolute flux calibration of the Kepler observed magnitudes. The technique employed uses synthetic photometry and the procedures described in Holberg & Bergeron (2006, AJ, 132, 1221), to place Kepler photometry on the Hubble Space Telescope photometric scale. This proposal will be of direct use to astronomers seeking to relate Kepler photometry to familiar astrophysical photometric scales.