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HST PSF Simulation using Tiny Tim

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Tiny Tim is a program which simulates Hubble Space Telescope imaging camera PSFs. It is portable (written and distributed in C) and is reasonably fast. It can model the WFPC, WFPC II, FOC, and COSTAR corrected FOC cameras. In addition to aberrations such as defocus and spherical, it also includes WFPC obscuration shifting, mirror zonal error maps, and jitter. The program has been used at a number of sites for deconvolving HST images. Tiny Tim is available via anonymous ftp on stsci.edu in the directory software/tinytim.