New IRAF Stellar Photometry Software

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A progress report on the IRAF stellar photometry package DIGIPHOT, with emphasis on algorithm enhancements and photometry catalog processing tools is presented. The IRAF implementation of Stetson's DAOPHOTII algorithms and improvements to the sky fitting algorithms is briefly discussed and results obtained with the new algorithms for NOAO direct imaging data are shown. New interactive photometry tools are presented, including a task for setting the photometry parameters using radial profile plots, and the interactive photometry catalog examining and editing tool PEXAMINE, and plans for future photometry catalog analysis tools are discussed.