

Figure 1: Globular cluster: 47 Tuc, V, very crowded field with charge transfer problems; 15 sec. CCD (ESO No. 1) exposure taken with the Danish 1.5 m at La Silla. (S. Ortolani, Padua Observatory.)

ceedings will appear later in 1989. Results of the analyses are also contained in the form of catalogues and other files in directory MISC\$DISK:[TESTIMAGES] on ESO's VAX system. Together with the test images themselves, this information will be made available to the general public on magnetic tape by the authors of this report. Copies of the tape can be obtained upon request.

Two of the test images are shown in the figures. They will be of particular interest to those investigating globular clusters and faint galaxy fields. Images with different exposure times are included. A few further images will be included in the future. These include simulated Hubble Space Telescope Wide Field/Planetary Camera (WF/PC) images – a typical globular cluster at distance 1 Mpc with an exposure of 300 seconds as seen using different filters.

The advantages of using this set of test images are two-fold. They provide a set of results which can be used for benchmarking future software packages and alternative algorithms devised by anyone working in this field. They also

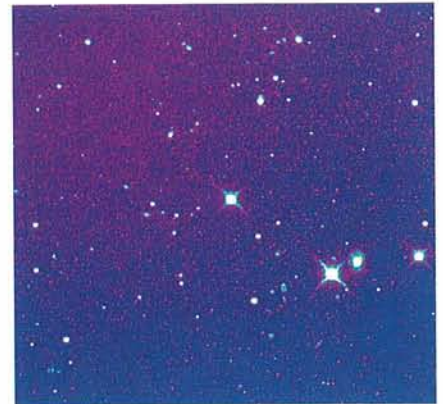


Figure 2: Faint galaxy field: SA 68, contains very faint BV standards; 75 min. J. plate taken with Kitt Peak National Observatory 4 m. (D. Koo, Lick Observatory.)

provide a common point of interest for those who develop 2-dimensional software for stellar and galaxy photometry. One hopes that such systems can be used as building-blocks for systems of the future rather than the all-too-common restarting from first principles.

## TEX and MATHOR3-TEX for Astronomy and Astrophysics Journal and Supplement Series

### Main Journal

H.-U. DANIEL

Springer-Verlag is pleased to announce an important development which will bring "Astronomy and Astrophysics" to the absolute forefront of scientific publication technology: In addition to the traditional route of manuscript processing and in response to the growing number of authors using TEX, such authors have now the opportunity to submit their papers to the journal editors on disk or tape. Springer-Verlag has developed a style template for "Astronomy and Astrophysics" contributors using PLAIN-TEX, the Springer-Verlag A+A macro package 1988.

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We, the authors, editors and publisher, are entering an interesting time of innovation. continuing, patient cooperation will be necessary until the usual smooth processing of manuscripts at Springer-Verlag has been extended to "electronic" manuscripts.

### Supplement Series

J. BERGER and D. SAVARY

Les Editions de Physique are pleased to announce that the A+A Supplements Series is now produced using MATHOR3-TEX. This

went into effect, beginning with the January 1989 issue.

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### What are TEX, MATHOR3-TEX and MACROS?

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Whichever option you choose Les Editions de Physique will send you page proofs as usual so that you can see the final page layout of your submission.

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