



Contribution ID: 391

Type: Poster Presentation

Comparing the results of two different CCD image reduction packages

Tuesday, 8 July 2014 17:10 (1h 50m)

Abstract content
 (Max 300 words)

One of the most critical procedures in observational studies of stellar physics is photometric data reduction. In this study, two software packages will be compared using a large volume of raw CCD data obtained from the 1.0m telescope based at the Sutherland site of the South African Astronomical Observatory (SAAO). IRAF runs on the Linux operating system, and is an open-source software package that is commonly used for data reduction. AIP4WIN, on the other hand, is designed for the Windows operating system and can only be obtained by purchasing the textbook authored by Richard Berry and James Burnell. These packages will be compared on the basis of their operational parameters, and - more importantly - on the basis of the results that they produce from the same dataset.

Apply to be considered for a student award (Yes / No)?

Yes

Level for award (Hons, MSc, PhD)?

MSc

Main supervisor (name and email) and his / her institution

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Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

Yes

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Session Classification: Poster1

