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Comparing the results of two different CCD image reduction packages

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**Abstract content (Max 300 words)
Formatting &
Special chars**

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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Yes

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