63rd ANNUAL CONFERENCE OF THE SA INSTITUTE OF PHYSICS



Contribution ID: 289

Type: Oral Presentation

Science at the Mahikeng Astronomical Observatory

Tuesday, 26 June 2018 12:20 (20 minutes)

The new observatory of the North West University (MAO) houses a 40-cm MEADE LX200GPS ACF telescope with SBIG STT 8300M electronically cooled camera. It was officially launched on the 21 April 2018. This instrument is capable of detecting mili-magnitude changes in brightness of a star, and is thus suitable for the study of pulsating stars and exoplanet research. In this paper we present light curves and Fourier spectra of the various Pulsating stars observed at the MAO. This demonstrates that MAO is capable of producing high precision photometry.

Please confirm that you
have carefully read the
abstract submission instructions
under the menu item
"Call for Abstracts"
<b/(Yes / No)

yes

Consideration for
student awards
b>Choose one option
from those below.
N/A
Hons
MSc
PhD

N/A

Supervisor details
If not a student, type N/A.
Student abstract submision
requires supervisor permission:
please give their name,
institution and email address.

N/A

Primary author: Prof. MEDUPE, Thebe (Department of Physics, North West University, Mafikeng)
Co-author: Mr MOKGADI, Thapelo (Department of Physics, North West University, Mafikeng)
Presenter: Prof. MEDUPE, Thebe (Department of Physics, North West University, Mafikeng)
Session Classification: Astrophysics

Track Classification: Track D1 - Astrophysics