



Contribution ID: 368

Type: Oral Presentation

The Shear-Free Perfect Fluid Conjecture in General Relativity: Progress

Wednesday, 6 July 2016 15:00 (20 minutes)

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

The progress on the proof of the shear-free fluid conjecture in general relativity is discussed, we present a review of recent partial proofs of the conjecture, a new proof is given for the case of a general equation of state, including a non-zero cosmological constant.

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

Yes

Level for award (Hons, MSc, PhD, N/A)?

PhD

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

Prof. Peter Dunsby, peterdunsby@gmail.com

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

Yes

Please indicate whether this abstract may be published online (Yes / No)

No

Primary author: Mr SIKHONDE, Muzikayise (UCT)

Presenter: Mr SIKHONDE, Muzikayise (UCT)

Session Classification: Astrophysics (1)

Track Classification: Track D1 - Astrophysics