**SAIP2010** 



Contribution ID: 311

Type: Poster

## Dr

Lie Derivatives and Perutbation of Fluid Flows

We describe the use of the Lie derivative for describing perturbations of fluid flows. We apply the methods developed to some elementary problems in the stability of stellar structure, and discuss the advantages and disadvantages of this approach compared with the standard theory.

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Track Classification: Track D1 - Astrophysics