Stanford

Tim Flint

Ph.D. Student in Mechanical Engineering, admitted Autumn 2017

Bio

BIO

I am a PhD candidate in the Department of Mechanical Engineering at Stanford University working with Professor Parviz Moin . My PhD research is on the receptivity of the flow field around high-speed bodies. I hope to understand how free-stream disturbances excite instabilities that may grow and become relevant to boundary layer transition in high-speed flight.

LINKS

- Google Scholar: https://scholar.google.com/citations?hl=en&user=lFqdkzoAAAAJ
- Personal Webpage: https://sites.google.com/view/timflint/home

Research & Scholarship

LAB AFFILIATIONS

- Parviz Moin, Flow Physics and Computational Engineering (9/1/2017)

Publications

PUBLICATIONS

- **Nonlinear Optimal Disturbances in Compressible Shear Flows**
  Huang, Z., Flint, T., Hack, M.
  edited by Sherwin, S., Schmid, P., Wu
  SPRINGER INTERNATIONAL PUBLISHING AG.2022: 87-95
- **Computational study of a pitching bio-inspired corrugated airfoil** *INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW*
  Flint, T. J., Jermy, M. C., New, T. H., Ho, W. H.
  2017; 65: 328-341