

# Accepted Manuscript

Concentrated energy addition for active drag reduction in hypersonic flow regime

M. Ashwin Ganesh, Bibin John



PII: S0094-5765(17)30440-X

DOI: [10.1016/j.actaastro.2017.11.003](https://doi.org/10.1016/j.actaastro.2017.11.003)

Reference: AA 6533

To appear in: *Acta Astronautica*

Received Date: 24 March 2017

Revised Date: 31 October 2017

Accepted Date: 4 November 2017

Please cite this article as: M. Ashwin Ganesh, B. John, Concentrated energy addition for active drag reduction in hypersonic flow regime, *Acta Astronautica* (2017), doi: 10.1016/j.actaastro.2017.11.003.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# Concentrated Energy Addition for Active Drag Reduction in Hypersonic Flow Regime

Ashwin Ganesh M<sup>#</sup> and Bibin John<sup>\*</sup>

<sup>#</sup> Undergraduate student, School of Mechanical Engineering, VIT University, Vellore, Tamil Nadu, Pin: 632014, India.  
Email: ashwinganesh.m2013@vit.ac.in

<sup>\*</sup> Associate Professor, School of Mechanical Engineering, VIT University, Vellore, Tamil Nadu, Pin: 632014, India.  
Email: bibin.john@vit.ac.in

Revised manuscript Submitted to

Acta Astronautica

---

*\* Correspondence:*  
*Dr. Bibin John*  
*Department of Mechanical Engineering*  
*VIT University*  
*Vellore – 632 014, INDIA*  
*Email: [bibin.john@vit.ac.in](mailto:bibin.john@vit.ac.in)*  
*Phone: 0091-9092512690*

October 2017

Download English Version:

<https://daneshyari.com/en/article/8055845>

Download Persian Version:

<https://daneshyari.com/article/8055845>

[Daneshyari.com](https://daneshyari.com)