

Bluff-Body Turbulence

Logan D. Halstrom* and Federico Zabaleta†
University of California, Davis, California, 95616

abstract here *LH&FZ*

Nomenclature

LH&FZ

ρ = density, kg/m^3

Subscripts

$()_\infty$ = freestream quantity

Acronyms

CFD = Computational Fluid Dynamics

I. Introduction

FZ

INTRO sentence to paper should have this fancy capitalization.
I. • Real World Applications

- parachute
- reentry capsule
- vehicles
- buildings
- show similarity between cylinder/sphere wake and more complex bluff body

- Driving Physical Phenomena

- blunt/bluff body definition, differences from streamlined body flow
- massively separated flow
- base pressure
- wake

*Graduate Student, Mechanical And Aerospace Engineering Department, One Shields Avenue

†Graduate Student, Civil and Environmental Engineering Department, One Shields Avenue

II. Experimental Methods And Results

FZ

- Historical Study
- Experimental techniques

III. Computational Methods and Results

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- Historical Study
- Computational techniques

A. Turbulence Modeling Aspects

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IV. Current State of Bluff-Body Turbulence

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- Current State of Knowledge
- Remaining Challenges

V. Conclusions

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Acknowledgments

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Example citations

[1]

References

- [1] Nakamura, Y., “Bluff-body aerodynamics and turbulence,” *Journal of Wind Engineering and Industrial Aerodynamics*, Vol. 49, No. 1, 1993, pp. 65 – 78. doi:[https://doi.org/10.1016/0167-6105\(93\)90006-A](https://doi.org/10.1016/0167-6105(93)90006-A), URL <http://www.sciencedirect.com/science/article/pii/016761059390006A>.