Special Issue

Adjoint Method for Aerodynamic Design and Other Applications in CFD

Message from the Guest Editors

This Special Issue aims to cover ongoing advances in the development and application of adjoint methods in fluid dynamics. In addition to original research articles, review papers, letters or communications, technical reports, and extended versions of conference papers are likewise accepted. The focus of this Special Issue is mainly, but not exclusively, on adjoint-based shape design, including properties of adjoint solutions, continuous, discrete and unsteady adjoint implementations, and multidisciplinary adjoint-based optimization of aircrafts, ships, and automobiles. In addition to these topics, this Issue is open to any contribution concerning the application of adjoint methods to other computational fluid dynamics problems such as error estimation and goal-oriented mesh adaptation, stability analysis, etc. We hope that this Special Issue can bring together all those working in adjoint methods within the CFD and fluid mechanics community.

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You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

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