Narodowe Centrum Badań Jądrowych
National Centre for Nuclear Research
ŚWIERK

Seminarium Zakładu Energetyki Jądrowej i Analiz Środowiska (UZ3)
Departament Badań Układów Złożonych (DUZ)
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Piotr Prusiński

How to read results of RANS (CFD) simulations?

Abstract:

Reynolds-Averaged Navier-Stokes (RANS) is one of the most elaborated and worldwide accepted approach to Computational Fluid Dynamics (CFD). Well-established both in different branches of industry and science. Although CFD itself is thought to be time- and hardware-consuming technique, the main advantage is its incomparable results resolution. Even the lowest grade RANS will offer much deeper insight into physics than any other non-CFD code can provide. RANS is also the quickest method to obtain valuable response from the analysis, especially when it comes to steady state. However one should bear in mind there are some limitations of its use. Those limitations will be the essence of my speech.

Serdecznie zapraszamy,
M. Dąbrowski, T. Kwiatkowski

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