



ÇANKAYA UNIVERSITY
FACULTY OF ARTS AND SCIENCES
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCES

SEMINAR

An overview of the numerical analysis of some turbulence models

- SPEAKER** : Assoc. Prof. Dr. Songül Kaya Merdan
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Abstract

In general, the main goal of the turbulence models is to derive important properties of the flow field which cannot be captured by using standard discretization of Navier-Stokes equations (NSE) on coarser grids in numerical simulations. Using additional terms in the discretized incompressible NSE is one way to model turbulent flows. In this talk, a number of selected turbulence models are presented. A survey on results concerning the analysis and the finite element error analysis will be given.

All interested are cordially invited.

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