

SCIENCE SEMINAR

Thursday, February 6 - Carson Taylor Hall 322

Dr. Sheng Xu

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A Tutorial of the Immersed Interface Method

The immersed interface method is a computational methodology to solve differential equations with non-smooth solutions across interfaces. In this talk, Dr. Xu will use a simple example to demonstrate the main ingredients and features of this method. He will then present the application of the method to the simulation of fluid flows and make the connection of the application with the simple example.

This talk is a tutorial of the method for undergraduate students.

Come at 3:30pm for refreshments, speaker at 4:00pm