

Workshop on Overset Mesh

9th September, 2016 | 2.00pm to 5.00pm

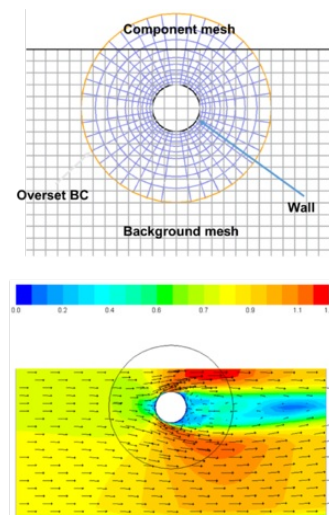
CAD-IT Consultants (Asia) Pte Ltd,
159 Sin Ming Road #03-05 Amtech Building,
Singapore 575625

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Introduction

Overset mesh is a new feature in ANSYS FLUENT R17 that allows users to build up the computational domain from overlapping meshes – also known as Chimera or overset methodology. This gives you another way to build the complete mesh, in addition to using conformally connected cell zones, non-conformal interfaces, and mapped mesh interfaces. An advantage of overset meshing is that the individual parts of an overset mesh can be generated independently and with fewer constraints than if the parts had to fit together conformally or along non-conformal interfaces. This can make it easier to replace parts of a mesh without having to remesh large parts or even the complete mesh, leading to time saving in model setup.



Objectives

The primary goal of this seminar+workshop is to introduce this new feature to the users, explain the setup procedure and share some of the best practices. In the workshop session, attendee can have hand-ons exercise on setting up model with overset meshes.

Presenter Profile:

Dr. Lee Yong Jiun is a Technical Applications Engineer at CAD-IT. He graduated from National University of Singapore with a PhD in Mechanical Engineering. His Research Focus was on Thermal management in Electronics, primarily using ANSYS solutions. Yong Jiun was with the Institute of Microelectronics and served as Project Leader to design, fabricate and characterize a package level thermal management solution. He



has also worked for INTEL Technology as Assembly Technology Development Engineer, where his primary responsibility of the job was to develop a robust flip chip assembly process for Intel next generation chipsets. Yong Jiun is responsible for the technical support of ANSYS CFD solutions.

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CAD-IT Consultants (Asia) Pte Ltd

159 Sing Ming Road #03-05 Amtech Building Singapore 575625

Tel:(65) 6508-7575 Fax:(65) 6454-3766

Email: caditevents@cadit.com.sg

<http://www.cadit.com.sg/>

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