

Heat exchanger: tube/shell - Autodesk Discussion Groups - Windows Internet Explorer - [Private]

http://forums.autodesk.com/15/Autodesk-Simulation/Heat-exchanger-tube-shell/tid-p/3127502/highlight/false

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Heat exchanger: tube/shell - Autodesk Discussion...

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Joey X
Employee
Posts: 78
Registered: 06-14-2010

Re: Heat exchanger: tube/shell
08-19-2011 05:36 AM in reply to: jrm_1971

Autodesk multiphysics simulation's "conjugate heat transfer" can take care the heat exchanger problem. It supports the combined fluid parts and solid parts, and the mass flow/volumetric flow rate and temperature boundary conditions are included. For forced convection dominated problem, use multiphysics one way fluid to thermal coupling; for mixed or free convection problems, use fully coupled fluid-thermal coupling approach. Refer online tutorial's below.

(a) 2D. Heat Exchanger with Fluid Flow
(b) 3D. How to Couple Fluid Flow and Steady-State Heat Transfer for Forced Convection

Joey.XeXplorer

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*is this true multiphysics?
or fluid LS CO
heat transfer*

Message 2 of 13

jrm_1971
Contributor
Posts: 13
Registered: 03-31-2011

Re: Heat exchanger: tube/shell
08-19-2011 10:09 AM in reply to: Joey X

No Multi-physics option in the heat transfer Analysis Parameters. Using Algor Sim Pro 2011. See attached.

Attachments:
Document4.pdf 302 KB

0 Kudos + Reply
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