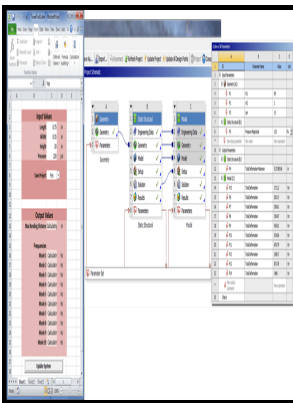


Efficient use of vector computers with emphasis on computational fluid dynamics - a GAMM-workshop

F. Vieweg - The Efficient Use of Vector Computers with Emphasis on Computational Fluid Dynamics

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Tags: #Parallel #computation #of #fluid
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**Computational fluid dynamics
applications on parallel**

The present book aims to elucidate the principles of computational fluid dynamics. The film hydrodynamics around the tube affects the heat and mass transfer mechanisms, which causes heat exchanger performance to change. The numerical flux at TE is given by where U_c is the state in the interior cell of which FE is a face, and it remains to specify the state U_E at the outer side of FE using the analytic boundary conditions and the scheme.

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Transient flow past a circular cylinder: a benchmark solution. The governing equations for unsteady fluid flows, together with appropriate boundary conditions, and the adopted solution procedure are summarized.

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