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MACE 42002: Computational Hydraulics

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k letters: μ . 5. Explain the terms " molecular viscosity ...

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Computational Fluid Dynamics Exam Questions Answers

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Foundation of Computational Fluid Dynamics - Course

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Course - Advanced Computational Fluid Dynamics - EP8403 - NTNU

Computational fluid dynamics (CFD) is a branch of fluid mechanics that uses numerical analysis and data structures to analyze and solve problems that involve fluid flows. Computers are used to perform the calculations required to simulate the free-stream flow of the fluid, and the interaction of the fluid (liquids and gases) with surfaces defined by boundary conditions .

Computational fluid dynamics - Wikipedia

In racing car industry, Computational Fluid Dynamics (CFD) is an emerging science in the aerodynamic design area; during the last decade aerodynamicists found a growing interest in using computers and CFD methods to simulate wind tunnel tests or track conditions. Briefly CFD codes simulate the flow over a car through mathematical modelling and solving of a discrete model.

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