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## Computational Fluid Mechanics And Heat Transfer Third Edition

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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**

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Strong affinity with fluid mechanics and/or convective heat transfer Background in computational fluid mechanics, finite element analysis or similar numerical techniques. Background in machine learning, AI, artificial neural networks or similar.

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