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THE FINITE VOLUME METHOD IN COMPUTATIONAL FLUID DYNAMICS



Condition: New. Publisher/Verlag: Springer, Berlin | An Advanced Introduction with OpenFOAM® and Matlab | This textbook explores both the theoretical foundation of the Finite Volume Method (FVM) and its applications in Computational Fluid Dynamics (CFD). Readers will discover a thorough explanation of the FVM numerics and algorithms used for the simulation of incompressible and compressible fluid flows, along with a detailed examination of the components needed for the development of a collocated unstructured pressure-based CFD solver. Two particular CFD codes...

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