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a winning race car for the next race season, aerodynamics plays an important role in the overall performance of the design. The flow (computational) domain is the control volume (bounded by the control surface) in which the flow field is computed. The geometry of the flow domain is also computationally modeled (CAD). Shape of the flow domain usually considers the grid topology (this is especially true of structured grids) When an engineer is tasked with designing a new product, e.g. Abstract and Figures. Institute of Space Technology. Here we will introduce three of the most commonly used techniques, namely: (1) the finite difference method, (2) the finite element method and (3) the finite volume method. , · Computational Fluid Dynamics (CFD) is the science of predicting fluid flow, heat and mass transfer, chemical reactions, by solving numerically the set of governing Online ISBN

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