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Flow simulation and high performance computing. (English) Zbl 0893.76046
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The authors provide a brief review of some advanced high performance computing tools typical of flow simulations of today. A number of three-dimensional simulations are presented, and the examples are illustrated with numerical experiments.

Reviewer: [P.K.Mahanti \(Ranchi\)](#)

MSC:

- [76M10](#) Finite element methods applied to problems in fluid mechanics
- [76N10](#) Existence, uniqueness, and regularity theory for compressible fluids and gas dynamics
- [76F10](#) Shear flows and turbulence
- [76-02](#) Research exposition (monographs, survey articles) pertaining to fluid mechanics

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