

**Leonard, B. P.**

**A stable and accurate convective modelling procedure based on quadratic upstream interpolation.** (English) Zbl 0423.76070

Comput. Methods Appl. Mech. Eng. 19, 59-98 (1979).

For a scan of this review see the [web version](#).

**MSC:**

**76R10** Free convection

**65M12** Stability and convergence of numerical methods for initial value and initial-boundary value problems involving PDEs

**65C20** Probabilistic models, generic numerical methods in probability and statistics

Cited in **7** Reviews  
Cited in **456** Documents

**Keywords:**

stable and accurate convective modelling procedure; quadratic upstream interpolation; conservative control-volume formulation; third-order's spatial truncation; third-order's error in time; inherent numerical convective stability algorithmic simplicity; Leit's three-point method

**Software:**

SHASTA

**Full Text:** [DOI](#)

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