

**Loubère, R.; Maire, P.-H.; Váchal, P.**

**Formulation of a staggered two-dimensional Lagrangian scheme by means of cell-centered approximate Riemann solver.** (English) [Zbl 1432.76206](#)

Kreiss, Gunilla (ed.) et al., Numerical mathematics and advanced applications 2009. Proceedings of ENUMATH 2009, the 8th European conference on numerical mathematics and advanced applications, Uppsala, Sweden, June 29–July 3, 2009. Berlin: Springer. 617-625 (2010).

Summary: In this work we develop a general framework to derive and analyze staggered numerical scheme devoted to solve hydrodynamics equations.

For the entire collection see [[Zbl 1201.65003](#)].

**MSC:**

**76M99** Basic methods in fluid mechanics

**35Q35** PDEs in connection with fluid mechanics

Cited in **18** Documents

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