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An arbitrary Lagrangian-Eulerian finite element method for transient dynamic fluid-structure interactions. (English) Zbl 0508.73063

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MSC:

- 74S05 Finite element methods applied to problems in solid mechanics
- 74F10 Fluid-solid interactions (including aero- and hydro-elasticity, porosity, etc.)
- 74B20 Nonlinear elasticity

Cited in **1** Review
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Keywords:

two dimensional; nonlinear fluid structure systems; transient dynamic loading; moving frame of reference; arbitrary Lagrangian-Eulerian; governing equations; weak formulations; systems of first order differential equations; nodal values; change mesh; structural component; geometrical and material nonlinearities

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