Fitted ALE scheme for Two-Phase Navier–Stokes Flow

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We present a novel fitted ALE scheme for two-phase Navier–Stokes flow problems that uses piecewise linear finite elements to approximate the moving interface. The meshes describing the discrete interface in general do not deteriorate in time, which means that in numerical simulations a smoothing or a remeshing of the interface mesh is not necessary.

Link: *http://people.brunel.ac.uk/ icsrsss/bicom/mafelap2016/*