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 Use adaptive refinement of basic mesh (fixed during iteration). Moving meshes Problems with too strong change of obstacle.
Level Set Methods. For Inverse Chaldens Problems 123

Numerical Methods
4. Immersed interface method: finite difference discretization on fixed grid with local connections to system matrix, around interface.
 5. Partion of Unity FE/Extended Finite Element. FE analogous to immersed interface method, fixed triangular grid + discontinuous elements around interface.
Level Set Methods For Inverse Obstacle Problems 124











