

APPLICATION DOMAIN

SolverUtils

$$\nabla^2 u - \lambda u = f$$

SPECTRAL ELEMENT METHOD

MultiRegions

$$u^\delta(x) = \sum_n^{N_{\text{dof}}} \Phi_n(x) \hat{u}_n$$

LocalRegions

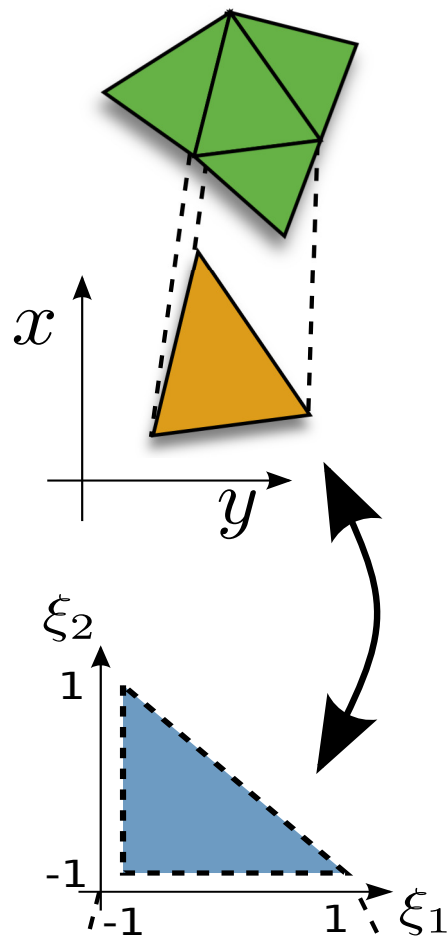
$$u^\delta(x) = \sum_p^P \phi_p([\chi_e]^{-1}(x)) \hat{u}_p$$

SpatialDomains

$$\mathbf{x} = \chi_e(\xi)$$

StdRegions

$$u^\delta(\xi) = \sum_p^P \phi_p(\xi) \hat{u}_p$$



AUXILIARY

LibUtilities

$$\phi_p(x)$$

