

FE representation of initial condition,  $t=0$



4. Interpolate FE representation of initial condition onto new mesh

Interpolation of FE representation of initial condition



1. Advance solution to  $t = dt$

3. Adapt mesh

5. Advance solution to  $t = dt$

Computed solution at time  $t = dt$



2. Obtain spatial error estimate

Computed solution at time  $t = dt$

