

FE representation of initial condition,  $t=0$



4. Re-generate FE representation of initial condition on new mesh

FE representation of initial condition,  $t=0$



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  $t = dt$

