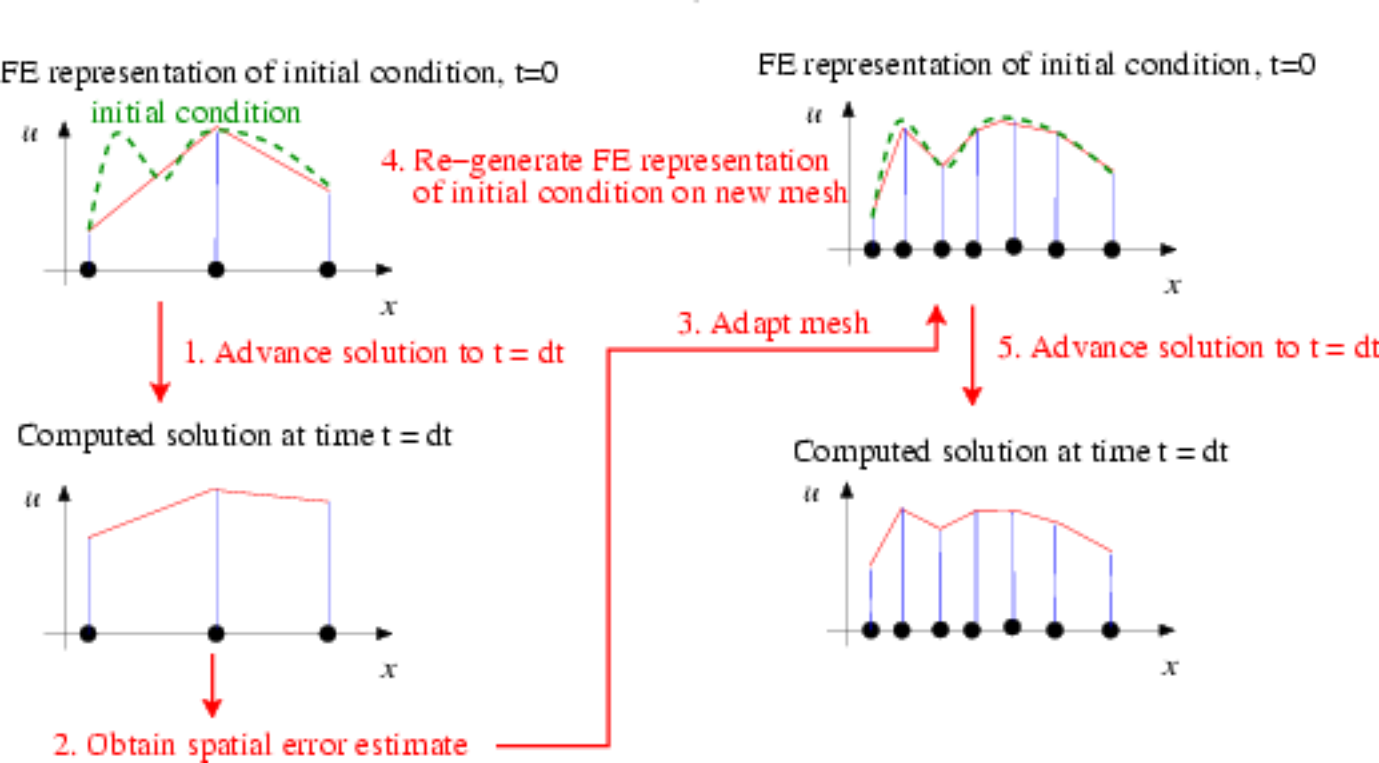
FE representation of initial condition, t=0
initial condition
u
x
1. Advance solution to t = dt
Computed solution at time t = dt
u
x
2. Obtain spatial error estimate
3. Adapt mesh
4. Re−generate FE representation
of initial condition on new mesh
FE representation of initial condition, t=0
u
x
5. Advance solution to t = dt
Computed solution at time t = dt
u
x