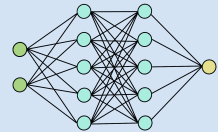


ONLINE : PINN evaluation + Enriched FEM resolution

Inputs

Ω : space domain
One given $\mu \in \mathcal{M}$

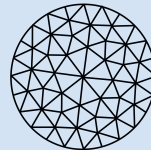


Trained PINN



PINN evaluation

u_θ : prediction for
the parameter μ



FEM solver
enriched by u_θ



Output

enriched FEM solution
(depending on the mesh size h)