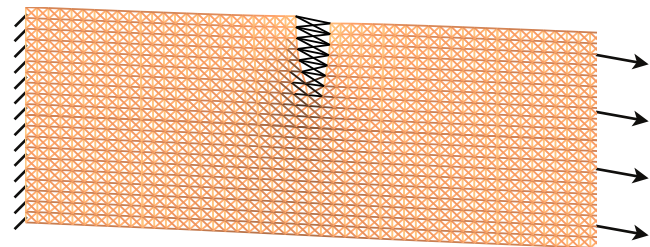


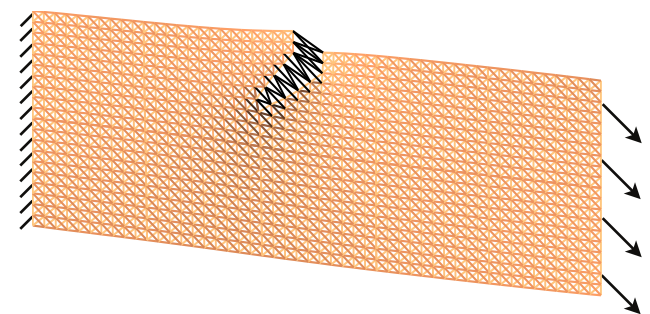
# Construction of reduced order model

Compute particular  
realisations (snapshots)

$\theta = 15^\circ$ ,  $10^{th}$  (last) time step



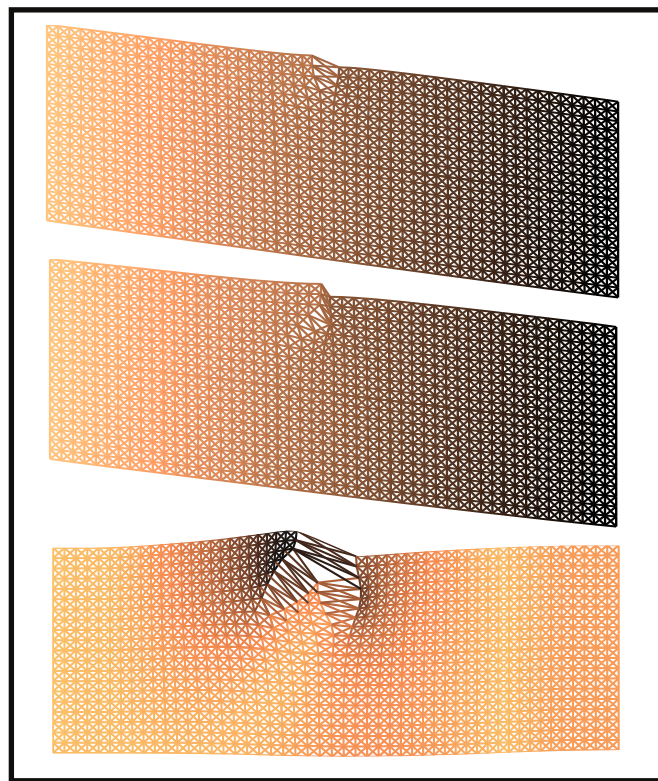
$\theta = 45^\circ$ ,  $10^{th}$  time step



POD

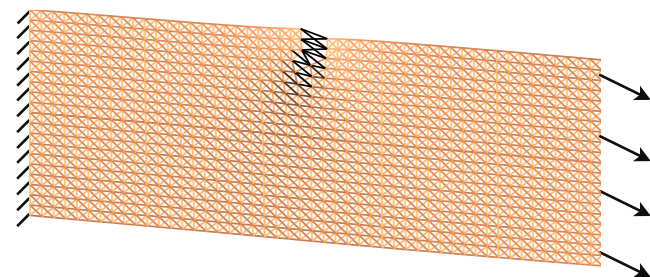


Reduced basis

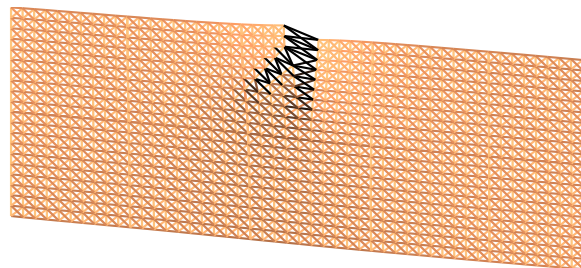


Solution at arbitrary angle using the reduced

$\theta = 30^\circ$ ,  $10^{th}$  time step



Solution to ROM



Error

