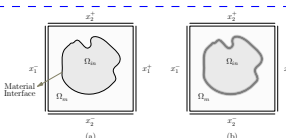
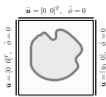


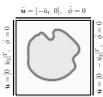
Different shapes of RVE



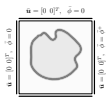
RVE with diffused material interface



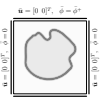
(a)



(b)

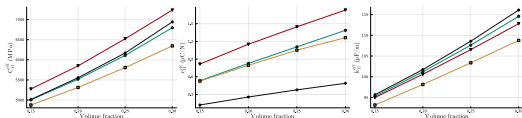


(c)

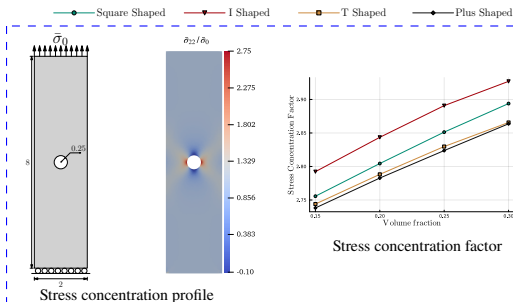


(d)

Boundary conditions of RVE



Effective material properties of a piezoelectric composite



Stress concentration profile