2019.12 2020.04 2020.08 2020.12 2021.04 Towards large deformation: formulate a set of hyperelastic potentials with tension-compression asymmetry and qualitatively evaluate their performance in the context of dynamic fracture.

Prelim

Coupling with plasticity: formulate a thermodynamically consistent model for coupled elasticity, plasticity and fracture.

Investigate the impact of several constitutive choices in the elastic-plastic-fracture coupled model.