

★ Midterm?

Dissertation

Apply the model to simulate the Kalthoff-Winkler problem. Other problems, e.g. those from past Sandia fracture challenges, are also applicable where plasticity and thermal effects have proven to be critical in predicting the correct material response.

Wrap-up. Review (or even reformulate) previous modeling choices if necessary given previously obtained

results.

Formulate the phase-field fracture problem without any arbitrary split in the elastic energy. Instead, explore other possibilities in enforcing the contact conditions between fracture surfaces.

🛨 Prelim

separation law, parameters in the thermal softening law, etc...