

# Research Highlights

April 7, 2019

- Presents a unified framework for multimaterial modeling involving elastic & elastoplastic solids, Newtonian & non-Newtonian fluids, and vacuums
- Presents an eigenstructure analysis of the GPR model
- Uses this analysis to derive a Riemann ghost fluid method for capturing interfaces between different materials
- Validates this methodology on a variety of 1D and 2D tests