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Modeling Large Viscoplastic Strain in Multi-Material with the Discrete Element Method

Robin Gibaud, Étienne Guesnet, Pierre Lhuissier, Luc Salvo

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#### ACCEPTED MANUSCRIPT

### Highlights

- Large inelastic strain of metal is phenomenologically modeled with the DEM
- Quality of volume conservation and viscoplastic Norton law are quantified,
- Metrics for bi-materials compression with DEM are compared to FEM simulations.
- High temperature compression of a metallic composite is simulated.

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