

Visco-plastic elastodynamics at large deformations by Eulerian approaches

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Two models of hardening-free plasticity or creep at large deformations will be presented in an Eulerian rate formulation based on two standard concepts, Green-Naghdi additive decomposition and Kroner-Lee-Liu multiplicative decomposition of the total strain. Extensions towards poroelasticity and thermodynamics will be outlined, too.