

Accepted Manuscript

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PII: S0022-3697(17)31821-8

DOI: [10.1016/j.jpcs.2018.03.026](https://doi.org/10.1016/j.jpcs.2018.03.026)

Reference: PCS 8496

To appear in: *Journal of Physics and Chemistry of Solids*

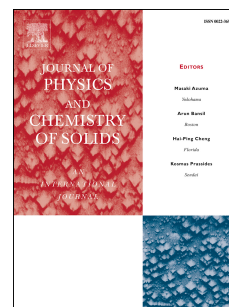
Received Date: 25 September 2017

Revised Date: 6 February 2018

Accepted Date: 17 March 2018

Please cite this article as: D.N. Blaschke, D.L. Preston, Thermoelastic-plastic flow equations in general coordinates, *Journal of Physics and Chemistry of Solids* (2018), doi: 10.1016/j.jpcs.2018.03.026.

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Thermoelastic-Plastic Flow Equations in General Coordinates

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February 6, 2018

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Abstract

The equations governing the thermoelastic-plastic flow of isotropic solids in the Prandtl-Reuss and small anisotropy approximations in Cartesian coordinates are generalized to arbitrary coordinate systems. In applications the choice of coordinates is dictated by the symmetry of the solid flow. The generally invariant equations are evaluated in spherical, cylindrical (including uniaxial), and both prolate and oblate spheroidal coordinates.

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