

Accounting for elastic anisotropy in crystal plasticity within the context of olivine dynamic recrystallization using a level-set framework

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Jean Furstoss, David Ruiz Sarrazola, Marc Bernacki, Carole Petit, Clément Ganino, et al.. Accounting for elastic anisotropy in crystal plasticity within the context of olivine dynamic recrystallization using a level-set framework. AGU Fall Meeting 2019, Dec 2019, San Francisco, United States. hal-02440169

HAL Id: hal-02440169 https://hal.science/hal-02440169v1

Submitted on 15 Jan2020

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INSU 2018-programme TelluS-SYSTER. Ace Nationale de la Recherche (ANR), AUBERT&DUVAL, CEA, SAFRAN through Insortium are gratefully acknowledged. and consortium **CNRS INSU** genc rted by CNRS French Age ASCOMETAL, Chair AS σ

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and deformation stic pla the Because olivine is the major constituent of upp evolutions play an important role in the lithosphere polycrystals through a numerical framework coupl The rheology of the olivine aggregate is described that takes into account the elastic anisotropy of mixed velocity/pressure finite element formulatic informations coming from crystal plasticity comput this methodology also permits to track the develor These important features are predicted using the with and without accounting for elastic anisotropy. Our results suggest that the elastic anisotropy exe



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Abstract

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