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Correlation between grain dislocation density and orientation for naturally deformed mantle xenolith from Jagersfontein Mine

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Correlation Between Grain Dislocation Density and Orientation for Naturally Deformed Mantle Xenolith from the Jagersfontein Mine

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Dedicated to the SEM Lab and to the Rock Deformation lab, for the use of their equipment, and to the NSF for funding.

Abstract

Introduction

Orientation of the grains was measured using the open source image analysis software, ImageJ, which allows us to calculate both dislocation density and total area of the grains.

Results

Conclusions

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