

Excel-based methods for modelling composition-dependent diffusion in olivine

D.J. Morgan

School of Earth & Environment, University of Leeds, United Kingdom (d.j.morgan@leeds.ac.uk)

This contribution will show the current state of ongoing work aiming to streamline modelling of composition-dependent diffusion using software available to mainstream computer users rather than through the use of custom software modules. This is part of an ongoing drive by the presenter to make models simpler and quicker to use without sacrificing validity.

Examples of processed images of olivine crystals from Piton de la Fournaise and Eyjafjallajökull will demonstrate the methods.