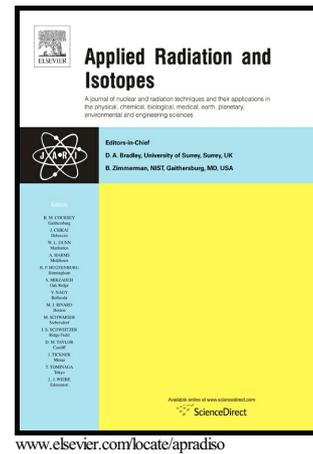


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Graph Cuts and Neural Networks for segmentation and porosity quantification in synchrotron radiation X-ray μ CT of an igneous rock sample

Anderson Alvarenga de Moura Meneses^{1,*}, Dayara Bastos Palheta¹, Christiano
Jorge Gomes Pinheiro², Regina Cely Rodrigues Barroso³

¹Federal University of Western Pará, Institute of Geosciences and Engineering, Laboratory
of Computational Intelligence, R. Vera Paz, s/n, Salé, CEP 68.035-110, Santarém, PA,
Brazil

²Federal University of Espírito Santo

³Rio de Janeiro State University

*Corresponding author. Tel.: +55 93 991269294. anderson.meneses@pq.cnpq.br

Abstract

X-ray Synchrotron Radiation Micro-Computed Tomography (SR- μ CT) allows a better visualization in three dimensions with a higher spatial resolution, contributing for the discovery of aspects that could not be observable through conventional radiography. The automatic segmentation of SR- μ CT scans is highly valuable due to its innumerable applications in geological sciences, especially for morphology, typology, and

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