

# Dual network extraction algorithm to investigate multiple transport processes in porous materials: Image-based modeling of pore and grain scale processes

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## Highlights

- The SNOW DUAL algorithm extracts solid and void phase pore networks simultaneously.
- It includes connectivity and geometrical information of both void and solid phases.

- The algorithm uses a novel and accurate means of calculating interfacial areas between grains and voids directly from digital images.
- Additional highlights can be added here.
- Another highlight point. article

### **Abstract**

The importance of image processing for 3D tomographic images to extract structural information from porous materials is discussed. article xcolor, soul

### **whiteDUAL NETWORK ALGORITHM**

The Dual Network algorithm is a powerful tool for extracting pore networks from 3D images of porous materials.

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### **Keywords**

- Pore network extraction
- 3D image analysis
- Porous materials