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MOLECULAR DYNAMICS AND X-RAY POWDER DIFFRACTION SIMULATIONS



Molecular Dynamics and
X-ray Powder Diffraction
simulations
Investigation of nano-polycrystalline microstructure
at the atomic scale



LAP Lambert Academic Publishing Jul 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x10 mm. This item is printed on demand - Print on Demand Neuware - Atomistic simulations based on Molecular Dynamics were used to model the lattice distortions in metallic nano-polycrystalline microstructures. Complex microstructures were generated with a new modified Voronoi tessellation method which provides a direct relation between generation parameters and statistical properties of the resulting model. Line Profile Analysis (LPA) was employed to retrieve the microstructure information from...

Read PDF Molecular Dynamics and X-ray Powder Diffraction simulations

- Authored by Alberto Leonardi
- Released at 2013



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Reviews

Simply no words and phrases to clarify. It really is full of knowledge and wisdom You wont feel monotony at at any moment of the time (that's what catalogs are for relating to when you question me).

-- **Paolo Spinka**

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