



Evaluation of Changes in Microstructure and Mechanical Performance

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LAP Lambert Academic Publishing Jun 2016, 2016. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neuware - Evaluation of Changes in Microstructure and Mechanical Performance of Metals Via Electrical Resistivity Measurements. This work focuses on experimental study of cross-property connections that link up effective linear elastic and electrical conductive properties of heterogeneous materials. Such connections are especially useful when one property (electrical conductivity) is easier to measure than the other (elastic constants). Also, take advantages from the easy of measure electrical resistance to study the microstructural changes, and then compare results with different methods like microscopy and other published methods. Mechanical and electrical properties of different specimens under both fatigue and quasi-static loading were investigated, combined with the analysis of microstructural changes produced by such loading. 104 pp. Englisch.



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