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NEW APPROACHES IN MODELING RAILWAY CRACK QUANTIFICATION SYSTEM



Upamanyu Banerjee
Deepayan Bhalla
**New Approaches in
Modeling Railway Crack
Quantification System**
Feasibility of Acoustic Emission Method and Light
Back-Scattering Method



LAP Lambert Academic Publishing Nov 2012, 2012. Taschenbuch. Condition: Neu. Neuware - With an eye to prevent derailment of high speed trains, vis-à-vis unwarranted loss of lives and property, a formalism is developed. A software model of Rolling Contact Fatigue (RCF) crack propagation in railway tracks is designed, simulating the alarming stress intensity factor around the advancing fatigue cracks. RCF crack monitoring system with acoustic emission count signals, describing the damage threshold of railway tracks is designed. It is noticed...

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- Authored by Upamanyu Banerjee
- Released at 2012



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