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FATIGUE PERFORMANCE AND LIFE-CYCLE PREDICTION OF EXISTING BRIDGES



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Fatigue Performance and
Life-Cycle Prediction of
Existing Bridges
Dynamic Effects from Combined Random Loads of
Winds and Vehicles



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Dynamic Effects from Combined Random Loads of Winds and Vehicles | During the life cycle of bridges, varied amplitude of stress ranges on structural details are induced by the random traffic and wind loads. The progressive deteriorated road surface conditions might accelerate the fatigue damage accumulations. Micro-cracks in structural details might be initiated. An effective structural modeling scheme and a reasonable fatigue damage accumulation rule are essential for stress range acquisitions and...

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