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inspection is crucial to the management of ageing infrastructure visual information on structures is regularly collected but very little work exists on its organised and quantitative analysis even though image processing can significantly enhance these inspection processes and transfer real financial and safety benefits to the managers owners and users additionally new opportunities exist in the fast evolving sectors of wind and wave energy to add value to image based inspection techniques this book is a first for structural engineers and inspectors who wish to harness the full potential of cameras as an inspection tool it is particularly directed to the inspection of offshore and marine structures and the application of image based methods in underwater inspections it outlines a set of best practice guidelines for obtaining imagery then the fundamentals of image processing are covered along with several image processing techniques which can be used to assess multiple damage forms crack detection corrosion detection and depth analysis of marine growth on offshore structures the book provides benchmark performance measures for these techniques under various visibility conditions using an image repository which will help inspectors to envisage the effectiveness of the techniques when applied matlab scripts and access to the underwater image repository are included so readers can run these techniques themselves practising engineers and managers of infrastructure assets are guided in image processing based inspection researchers can use this book as a primer and it also suits advanced graduate courses in infrastructure management or on applied image processing

Phipson and Elliott Manual of the Law of Evidence

1980

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Car graphic

1984

Basic Television

1978

Image-Based Damage Assessment for Underwater Inspections

2018-07-18

Basic Television: Theory and Servicing

1971

Queensland Reports

1988

Motor Cycling and Motoring

1968-09

Road & Track

1986

Victorian Reports

1999

Road and Track

1987

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