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Knight Physics For Scientists And Engineers 2e Solutions Manual

**Atif Iqbal, Shaikh
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Copyright Office,1971 Holographic and Speckle Interferometry Robert Jones,Catherine Wykes,1989-01-26 Holographic and speckle interferometry are optical techniques which use lasers to make non contracting field view measurements at a sensitivity of the wavelength of light on optically rough i e non mirrored surfaces They may be used to measure static or dynamic displacements the shape of objects and refractive index variations of transparent media As such these techniques have been applied to the solution of a wide range of problems in strain and vibrational analysis non destructive testing NDT component inspection and design analysis and fluid flow visualisation This book provides a self contained unified theoretical analysis of the basic principles and associated opto electronic techniques for example Electronic Speckle Pattern

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