

Treatment of Interferograms Image of Perturbation Processes in Metallic Samples by Optical Method

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Abstract : The but of this handling is to use the technique of the shearing with a mechanism lapping machine of image: a prism of Wollaston. We want to characterize this prism in order to be able to employ it later on in an analysis by shearing. A prism of Wollaston is a prism produced in a birefringent material i.e. having two indexes of refraction. This prism is cleaved so as to present the directions associated with these indices in its face with entry. It should be noted that these directions are perpendicular between them.

Keywords : non destructive control, aluminium, interferometry, treatment of image

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