Contents

I. Introduction

Defect detection in electrically conductive plates offers an exciting and interesting challenge to both researchers and applied technologists. For non magnetic metallic materials such as aluminum, the major problem of

interest is the detection, location and geometric characterization of single flaws [1] that appear in uniform regions of the plates under test but also in weld line regions that make the detection task more complicated [2]. The eddy current non-destructive testing method is based on eddy current is inducted to the edge of the ed

Authors	~
Figures	~
References	~
Citations	~
Keywords	~
Metrics	~

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