

Conception et réalisation d'un système de contrôle non destructif par courant de Foucault pulsé

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Abstract: The conventional EC method is used for near-surface defects finding [5] [48] [12] [2]. On the other hand, and in order to control great depths, pulsed eddy currents are used [35] [48] [12] [2]. Through this project we aim to realize an analogue-digital PEC-NDT system, interfaced by a microcomputer. A set of experiments is carried out in order to prove the sensitivity of the designed system towards some parameters [2], where the determined mechanical properties are compared with the results obtained in order to in order to confirm some hypotheses [32].

Keywords : cnd, Instrumentation, Courants de Foucault pulsés