

**COMPUTATIONAL INVERSE TECHNIQUES IN  
NONDESTRUCTIVE EVALUATION**

**Stewart Nacole Pautz**

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Computational inverse techniques in nondestructive evaluation / G.R., Liu, X. Han, p. cm. Includes bibliographical references and index. ISBN

## **Inverse Problem in Nondestructive Testing Using Arrayed Eddy Current Sensors**

Semantic Scholar extracted view of "Computational Inverse Techniques in Nondestructive Evaluation" by Guang Rui Liu et al.

### **Inverse problem - Wikipedia**

This chapter introduces computational inverse techniques used in nondestructive evaluation for material and structural systems. It emphasizes on several robust.

### **A New Computational Inverse Method and Application to the Identification of Dynamic Loads**

The orthogonal array method is adopted for the selection of part of the training Computational Inverse Techniques in Nondestructive Evaluation

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Table 1 gives the numerical values of the fixed parameters of the system [ 9 ]. The inverse problem is based on an iterative solving of the direct problem using genetic algorithms. The goal is to recover the diffusion coefficient in the parabolic partial differential equation that models single phase fluid flows in porous media.

However, such an analysis is usually a very heavy task. The present study demonstrates the simplest example of unisolvent functions are polynomials constructed, using the unisolvence theorem so as to be unisolvent. Only a few physical systems are actually linear with respect to the model parameters. Liu, X. Issue1 Issue2 Issue3 Issue4 Issue6. Summary Ill-posedness. Wang et al.