Modélisation d'un Capteur Différentiel de CND-CF par la Méthode des Volumes Finis

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Abstract –
This paper deals with the modelling of a differential sensor in an eddy current non destructive testing (EC-NDT) application. The crack detection method is based on the impedance variations between the two coils of the sensor. Hence, the finite volume method is used to analyse such device.

Index Terms : MVF, CND-CF, Capteur différentiel