

Non destructive testing by x-ray tomography

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Abstract : We present in this paper, two analytical methods of non-destructive testing for the reconstruction of 2D tomography X-ray. First; we present a simple method based on the projection of Radon transform. The second method is a filtered back projection based on the theorem of central cut . A comparison study is achieved between these two methods.

Keywords : Tomography, radon transform, projection, filtered back projection.