



SEMINAR ANNOUNCEMENT

“Effect of the Measuring Parameters on the Reconstructed Images by Computerized Tomography”

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The potential of computerized tomography by neutrons and gamma rays as a main precise technique for nondestructive assay of materials and components of prime importance in nuclear and general industries are given and discussed. Fast Fourier Transform (FFT) is introduced. Shepp and Logan human head phantom is used for theoretical testing and studying the effect of translation value for this technique. Moreover, the effect of the projection number discussed. In addition, some of the experimentally scanned images using slit beam of gamma rays emitted from the ET-RR-1 reactor are presented and discussed.

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