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Interactive

Comprehensive

Simple

COMPUTED TOMOGRAPHY SIMULATION SOFTWARE

PRODUCT OVERVIEW

This product consist of MATLAB GUI which applies the concept of Filtered Back Projection technique of a Computed Tomography System based on the real CT scanner machine data generation and data processing. This system has been proved capable in filtering the noise and artifacts.

PRODUCT DESCRIPTION

Involve line integral /Radon transform applications, sinogram generation and image reconstruction. The result of the generated image is display through Graphical User Interface (GUI). Both algorithm and GUI are developed using MATLAB software.

TARGET USER

Universities & colleges that offer CT and related courses or radiologist training departments in the government hospitals.

