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Application of Diagonally Relaxed Orthogonal Projections (DROP)- conjugate gradient and Kaczmarz method for X Rays reconstruction image

L. Cherrad, R. Drai, H.Bendjama, D.Idiou

Abstract : In this work, we present the application of algorithms based on algebraic methods, ray tomography image reconstruction X. So DROP algorithms with quadratic regularization (orthogonal projections Relaxes diagonal), conjugate gradient and Kaczmarz will be implemented and applied to real images obtained by an X-ray tomography, a comparative study was made in order to examine the reconstruction algorithms results

Keywords : DROP method, regularization, Tomography, Kaczmarz method