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Modern medicine depends on non-invasive imaging techniques that enable us to This involves a Fourier transform, 2007: The Radon Transform and some of its

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References from the article Radon transforms on generalized Cormack's curves and a new Compton scatter tomography modality

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1 Computerized Tomography, X-rays, and the Radon Transform 1.1 Introduction The purpose of this chapter is to give an informal introduction to the subject of tomo-

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Sep 10, 2009 The Radon transform is widely being used in a whole lot of image processing applications. Its use at detecting lines in noisy images is extremely powerful.

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The word tomography comes from the Greek tomos meaning cut or slice. Computerized axial tomography (CAT), also referred to simply as computed tomography (CT

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by Peter Kuchment-2014 / xvi + 240 pages / Softcover / ISBN: 978-1-611973-28-0 / List Price \$82.00 / SIAM Member Price \$57.40 / Order Code CB85

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The Radon Transform, Inverse Problems, and Tomography: American Mathematical Society Short Course, January 3-4, 2005, Atlanta, Georgia Proceedings of Symposia in

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Title: Spherical radon transforms and mathematical problems of thermoacoustic tomography: Author: Ambartsoumian, Gaik: Abstract: The spherical Radon transform (SRT

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Product description. The Radon transform, which represents the scattering data arising from a tomographic scan, underpins the mathematical foundations of medical imaging.

### **Tomography - Encyclopedia of Mathematics -**

In tomography a fundamental role is played by the The Radon transform is connected to the Fourier transform Computed tomography, Proc. Symp. Appl. Math

### **The Radon Transform and Local Tomography - -**

Inbunden, 1996. Pris 2539 kr. K p The Radon Transform and Local Tomography (9780849394928) av A G Ramm, Alex I Katsevich p Bokus.com

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1/33 Introduction Radon transforms and compressed sensing Sparsity across application domains Experimental results References Compressed Sensing for Electron Tomography

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