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# The Mathematics of Computerized Tomography

*F. Natterer*

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From the PublisherDetails the reconstruction of a function from line or plane integrals, with special emphasis on applications in science, radiology and engineering. Both the relevant mathematical theory of the Radon transform and related transforms, and practical questions such as sampling, resolution, stability, and accuracy, are covered. Much space is given to the derivation, analysis and practical examination of reconstruction algorithms, both for standard problems and problems with incomplete data.About the AuthorFrank Natterer is a Professor of Mathematics at the University of Mnster. His research interests include numerical analysis of inverse problems, in particular algorithms for image reconstruction in radiology and other fields of application.