

# Tomography, impedance imaging, and integral geometry - 1993 AMS-SIAM Summer Seminar on the Mathematics of Tomography, Impedance Imaging, and Integral Geometry, June 7-18, 1993, Mount Holyoke College, Massachusetts

American Mathematical Society - Tomography Impedance Imaging And Integral Geometry

Description: -

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Health & Fitness

Diet / Health / Fitness

General

Market surveys -- Canada.

Market surveys -- United States.

Electric utilities -- Canada -- Automation -- Statistics.

Electric utilities -- United States -- Automation -- Statistics.

Electric power distribution -- Canada -- Equipment and supplies -- Statistics.

Electric power distribution -- United States -- Equipment and supplies -- Statistics.

Electric power plant equipment industry -- Canada -- Statistics.

Electric power plant equipment industry -- United States -- Statistics.

Religion - Christian Life

Music/Songbooks

Religious - Christian

Christian Life - General

Tomography -- Mathematics -- Congresses.

Inverse problems (Differential equations) -- Congresses.

Integral geometry -- Congresses. Tomography, impedance imaging, and integral geometry - 1993 AMS-SIAM Summer Seminar on the

Mathematics of Tomography, Impedance Imaging, and Integral

Geometry, June 7-18, 1993, Mount Holyoke College, Massachusetts

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Tags: #Integral #Geometry

v. 30.

Lectures in applied mathematics (American Mathematical Society) ; **Scholars**

v. 30

Lectures in applied mathematics, Tomography, impedance imaging, and integral geometry - 1993 AMS-SIAM Summer Seminar on the Mathematics of Tomography, Impedance Imaging, and Integral Geometry, June 7-18, 1993, Mount Holyoke College, Massachusetts

Notes: Includes bibliographical references.

This edition was published in 1994

Harmonic analysis on symmetric spaces and applications. Coexistence of symmetric periodic points in the standard map.

**Tomography Impedance Imaging And Integral Geometry**

SIAM Journal on Mathematical Analysis, 14 4 :767—771, 1983. Harmonic analysis of spherical functions on reductive groups over p-adic fields. Author by : National



Filesize: 36.41 MB

Research Council Language : en Publisher by : National Academies Press Format Available : PDF, ePub, Mobi Total Read : 85 Total Download : 911 File Size : 41,8 Mb Description : This cross-disciplinary book documents the key research challenges in the mathematical sciences and physics that could enable the economical development of novel biomedical imaging devices.

**[PDF] Some problems of integral geometry arising in tomography**

In positron emission tomography PET the sources eject the particles pairwise in opposite directions. An early example is the theory of optimal

recovery Michelli and Rivlin in suggested reading list.

**[PDF] Some problems of integral geometry arising in tomography**

For ultrasound, one has to solve Helmholtz-type equations at high spatial frequencies, which still is a challenge.

**[PDF] Some problems of integral geometry arising in tomography**

General methods have been developed, too, but apparently they have been applied to one-dimensional problems only see Sanchez and McCormick in section 14. Krein also created and ran, for many years, the annual Voronezh Winter Mathematical Schools, which significantly influenced mathematical life in the former Soviet Union.

## Related Books

- [Naval history of England in all its branches from the Norman conquest in the year 1066 to the conclu](#)
- [Report on the Royal Commission on Automobile Insurance.](#)
- [Research methods - a process of inquiry](#)
- [Tale of twin cities, or, The development of the Fox River Waterway](#)
- [Lively game of death](#)