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Numerical Solution of the Tomography Problem in Domains with Obstacles

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(Submitted on 7 Jul 2011 (v1), last revised 13 Feb 2012 (this version, v2))

We study numerical methods of tomography in domains with a reflecting obstacle. It will be shown that tomography with sets containing both broken rays, i.e. rays reflecting at the obstacle, as well as unbroken rays, has a smaller error between the original and reconstructed image compared to classical tomography methods.

Comments: 22 pages, 8 figures, 4 tables Subjects: Numerical Analysis (math.NA) Cite as: arXiv:1107.1331 [math.NA]

(or arXiv:1107.1331v2 [math.NA] for this version)

Submission history

From: Kamen Lozev [view email] [v1] Thu, 7 Jul 2011 09:48:55 GMT (101kb) [v2] Mon, 13 Feb 2012 02:36:38 GMT (515kb,D)

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