

Search or Article-id (Help | Advanced search) arXiv.org > math > arXiv:1107.2682 - Go! All papers Mathematics > Analysis of PDEs Download: PDF Identification of the coefficients in PostScript Other formats the linear Boltzmann equation by a Current browse context: finite number of boundary math.AP < prev | next > measurements new | recent | 1107 Change to browse by: Rolci Cipolatti math (Submitted on 13 Jul 2011) **References & Citations** NASA ADS In this paper we consider an inverse problem for the time dependent linear Boltzmann equation. It concerns the identification of the coefficients via a finite Bookmark(what is this?) number of measurements on the boundary. We prove that the total extinction 📃 🕸 X 🚾 🖬 🖬 😴 coefficient and the collision kernel can be uniquely determined by at most k Science WISE measurements on the boundary, provided that these coefficients belong to a

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finite k-dimensional vector space.

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