

Search or Article-id (Help | Advanced search) arXiv.org > astro-ph > arXiv:1107.0210 All papers Go! Ŧ Astrophysics > Instrumentation and Methods for Astrophysics Download: PDF A fast 2D image reconstruction PostScript Other formats algorithm from 1D data for the Current browse context: Gaia mission astro-ph.IM < prev | next > new | recent | 1107 D.L.Harrison Change to browse by: (Submitted on 1 Jul 2011) astro-ph A fast 2-dimensional image reconstruction method is presented, which takes References & Citations as input 1-dimensional data acquired from scans across a central source in **INSPIRE HEP** different orientations. The resultant reconstructed images do not show (refers to | cited by) artefacts due to non-uniform coverage in the orientations of the scans across NASA ADS the central source, and are successful in avoiding a high background due to contamination of the flux from the central source across the reconstructed Bookmark(what is this?) image. Due to the weighting scheme employed this method is also naturally 📃 🛈 X 💀 🖬 🖬 🚽 🔛 🧐 robust to hot pixels. This method was developed specifically with Gaia data in mind, but should be useful in combining data with mismatched resolutions in

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different directions.

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