

Monostatic SAR with inflection points

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We study the image that one obtains by backprojecting monostatic SAR data collected on a flight-track with inflection points. The result is that one obtains artefacts that are of equal strength as the bona-fide part of the image. Furthermore, we obtain a weak normal form for operators associated to a fold/cusp canonical relation, which appears for our forward operator.

This is a joint work with Cliff Nolan.