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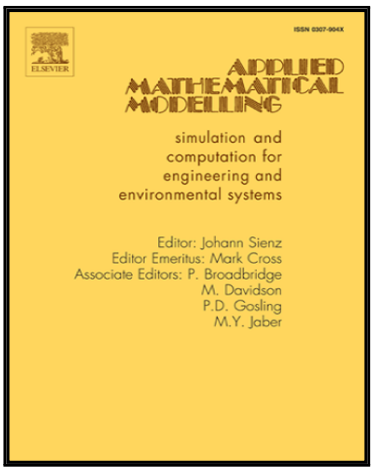

An accelerated version of alternating direction method of multipliers for TV minimization in EIT

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PII: S0307-904X(16)30311-0
DOI: 10.1016/j.apm.2016.05.052
Reference: APM 11205

To appear in: *Applied Mathematical Modelling*

Received date: 1 March 2013
Revised date: 27 February 2016
Accepted date: 25 May 2016

Please cite this article as: Ashkan Javaherian , Manuchehr Soleimani , Knut Moeller , Amir Movafeghi , Reza Faghihi , An accelerated version of alternating direction method of multipliers for TV minimization in EIT, *Applied Mathematical Modelling* (2016), doi: 10.1016/j.apm.2016.05.052

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Highlights

- This study proposes an accelerated total-variation-based solver for inverse conductivity problem.
- TVAL3 is a Total-Variation based inverse solver based on Augmented Lagrangian and alternating direction method of multipliers.
- The paper combines TVAL3 solver with the well-known FISTA in order to accelerate TVAL3.
- The results show the great performance of the accelerated TVAL3 in electrical impedance tomography.

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