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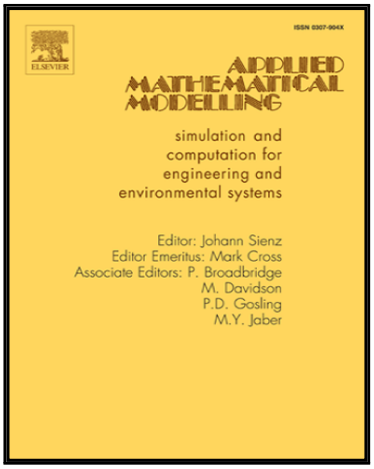

Image reconstruction model for the exterior problem of computed tomography based on weighted directional total variation

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HIghlights

- A WDTV based regularization model was proposed.
- WDTV of an image also describes the sparsity of image gradient magnitude.
- Our model has different edge responses along radial and angular direction.
- An SART+WDTV algorithm was developed to solve our model.

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