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Title: Filter-based reconstruction methods for tomography

Issue Date: 2016-05-03

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List of publications

- Publications that are part of this thesis:
 - D. M. Pelt, D. Gürsoy, W. J. Palenstijn, J. Sijbers, F. De Carlo, and K. J. Batenburg. “Integration of TomoPy and the ASTRA toolbox for advanced processing and reconstruction of tomographic synchrotron data”. *Journal of Synchrotron Radiation* (Submitted for publication).
 - D. M. Pelt and K. J. Batenburg. “A method for locally approximating advanced regularized iterative tomographic reconstruction methods”. *IEEE Transactions on Image Processing* (Submitted for publication).
 - E. Bladt, D. M. Pelt, S. Bals, and K. J. Batenburg. “Electron tomography based on highly limited data using a neural network reconstruction technique”. *Ultramicroscopy* 158 (2015), pp. 81–88.
 - D. M. Pelt and K. J. Batenburg. “Accurately approximating algebraic tomographic reconstruction by filtered backprojection”. In: *Proceedings of the 2015 International Meeting on Fully Three-Dimensional Image Reconstruction in Radiology and Nuclear Medicine*. Ed. by M. King, S. Glick, and K. Mueller. 2015, pp. 158–161.
 - D. M. Pelt and K. J. Batenburg. “Improving Filtered Backprojection Reconstruction by Data-Dependent Filtering”. *IEEE Transactions on Image Processing* 23.11 (2014), pp. 4750–4762.
 - D. M. Pelt and K. J. Batenburg. “Fast tomographic reconstruction from limited data using artificial neural networks”. *IEEE Transactions on Image Processing* 22.12 (2013), pp. 5238–5251.
- Publications on the subject of tomography that are not part of this thesis:
 - E. Janssens, D. M. Pelt, J. De Beenhouwer, M. van Dael, P. Verboven, B. Nicolai, and J. Sijbers. “Fast Neural Network Based X-ray Tomography of Fruit on a Conveyor Belt”. In: *Chemical Engineering Transactions*. Vol. 44. AIDIC. 2015, pp. 181–186.
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