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Sparsity-based algorithms for inverse problems

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List of publications

Publications that are part of this dissertation:

- Atomic Super-resolution Tomography. *P. S. Ganguly, F. Lucka, H. J. Hupkes, K. J. Batenburg*. International Workshop on Combinatorial Image Analysis. Springer, Cham, pp. 45-61, 2020.
- Improving reproducibility in synchrotron tomography using implementation-adapted filters. *P. S. Ganguly, D. M. Pelt, D. Gürsoy, F. de Carlo, and K. J. Batenburg*. Journal of Synchrotron Radiation 28, no. 5, 2021.
- SparseAlign: A Grid-Free Algorithm for Automatic Marker Localization and Deformation Estimation in Cryo-Electron Tomography. *P. S. Ganguly, F. Lucka, H. Kohr, E. Franken, H. J. Hupkes and K. J. Batenburg*. IEEE Transactions on Computational Imaging, vol. 8, pp. 651-665, 2022.

Publications that are not part of this dissertation:

- Quantitative comparison of deep learning-based image reconstruction methods for low-dose and sparse-angle CT applications. *J. Leuschner, M. Schmidt, P. S. Ganguly, V. Andriiashen, S. B. Coban, A. Denker, D. Bauer, A. Hadjifaradji, K. J. Batenburg, P. Maass and M. van Eijnatten*. Journal of Imaging, 7(3), 44, 2021.
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