

Erratum

A General Formula for Fan-Beam Lambda Tomography

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In [1], we proved that a lambda tomography (LT) image can be reconstructed based on either an even or an odd data extension. Unfortunately, the proof related to the odd data extension is not generally correct, because equation (31) is a necessary condition instead of a sufficient one for equation (32). That is, in the general case, equation (32) cannot be obtained from equation (31). However, the reconstruction formula without any data extension remains correct in practical applications where the object support is constrained in a convex region surrounded by a scanning trajectory. We apologize for any confusion that [1] might have caused. For more details, please refer to our new paper [2].

REFERENCES

- [1] H. Yu and G. Wang, "A general formula for fan-beam lambda tomography," *International Journal of Biomedical Imaging*, vol. 2006, Article ID 10427, 9 pages, 2006.
- [2] H. Yu, Y. Wei, Y. Ye, and G. Wang, "Lambda tomography with discontinuous scanning trajectories," *Physics in Medicine and Biology*, vol. 52, no. 14, pp. 4331–4344, 2007.