

About the Cover

A new Radon transform algorithm

This month's cover was suggested by the article of Fokas and Sung in this issue. In an article mentioned there, Fokas, Iserle and Marinakis describe a new algorithm for computing inverse Radon transforms, which I used to approximate the inverse transform of a simulated X-ray of the well-known head model—traditionally called *phantom*—of Logan and Shepp. For the non-expert, what is striking about such calculations is the odd mixture of science and rough guess that goes into them, made necessary by the awkward fit between the Radon transform and discrete approximation. Also the somewhat scary feeling involved in dealing even with phantom tumors.

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