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The numerical inversion method for the Radon transform. (Chinese. English summary)

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Authors’ abstract: Use is made of the Radon transform inversion formula and Chebyshev polynomials. A Chebyshev transform pair is obtained and a numerical inversion method is derived.

Reviewer: Zhang Wanguo (Shanghai)

MSC:

65R10 Numerical methods for integral transforms
44A12 Radon transform

Keywords:
Radon transform; inversion formula; Chebyshev polynomials