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A method for reduction of differential problems to integral equations. (English. Russian original) [Zbl 0786.65091](#)

J. Sov. Math. 63, No. 5, 512-516 (1993); translation from *Vychisl. Prikl. Mat.*, Kiev 62, 8-14 (1987).

See the review in [Zbl 0706.65114](#).

MSC:

- [65N35](#) Spectral, collocation and related methods for boundary value problems involving PDEs
- [65R20](#) Numerical methods for integral equations
- [35J05](#) Laplace operator, Helmholtz equation (reduced wave equation), Poisson equation
- [35C15](#) Integral representations of solutions to PDEs
- [45E10](#) Integral equations of the convolution type (Abel, Picard, Toeplitz and Wiener-Hopf type)

Keywords:

[Laplace equation](#); [integral equation method](#); [canonical region](#)

Full Text: [DOI](#)

References:

- [1] A. N. Tikhonov and V. Ya. Arsenin, *Methods of Solution of Ill-Posed Problems* [in Russian], Nauka, Moscow (1979).

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