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New Books

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Abstract

Full Text

New Books

Bakelman I. Ya. Geometric methods for solving elliptic equations. Moscow, "Nauka," 1965. 340 pp. with illustrations.

Berezanskii Yu. M. Expansions in eigenfunctions of self-adjoint operators. Kiev, "Naukova dumka," 1965. 798 pp. (Academy of Sciences of the Ukrainian SSR, Institute of Mathematics).

Budak B. M. and Fomin S. V. Multiple integrals and series. (For physics and physics-mathematics faculties of universities.) Moscow, "Nauka," 1965. 607 pp. with drawings. (Course of higher mathematics and mathematical physics. Edited by A. N. Tikhonov et al. Issue 2).

Gaisaryan S. S. Standard program for solving the Cauchy problem for systems of ordinary differential equations by the Runge-Kutta method with modification by Gill. Edited by V. V. Voevodin. Moscow, Moscow State University Press, 1965. 18 pp. (Moscow State University named after M. V. Lomonosov. Computing Center. Series "Standard programs for solving typical mathematical problems on the M-20 computer." Issue 15).

Gaisaryan S. S. and Lepin S. V. Standard program for solving the Cauchy problem for systems of ordinary differential equations by Euler's method with recalculation. Edited by V. V. Voevodin. Moscow, Moscow State University Press, 1965. 14 pp. (Moscow State University named after M. V. Lomonosov. Computing Center. Series "Standard programs for solving typical mathematical problems on the M-20 computer." Issue 17).

Doetsch G. Guide to the practical application of the Laplace transform. With an appendix of tables, compiled by R. Herschel. Translated from the 2nd German edition by G. A. Volpert. With a preface by Ya. Z. Tsytkin. Moscow, "Nauka," 1965. 287 pp. with drawings. (Physico-mathematical library for engineers).

Investigations in differential equations. (Collected papers. Editorial board: O. A. Zhautykov, editor-in-chief, et al.). Alma-Ata, "Nauka," 1965. 200 pp. with drawings. (Academy of Sciences of the Kazakh SSR, Sector of Mathematics and Mechanics).

Investigations in the theory of differential equations and the theory of functions. (Collected papers. Edited by I. I. Ibragimov). Baku, Publishing House of the Academy of Sciences of the Azerbaijan SSR, 1965. 166 pp. with illustrations. (Academy of Sciences of the Azerbaijan SSR, Institute of Mathematics and Mechanics).

Kvint I. D. Differential equations of mathematical physics. Lectures on meth-

ods of mathematical physics for students of physics faculties. Lvov, 1965. 132 pp. (Ministry of Higher and Specialized Secondary Education of the Ukrainian SSR. Lvov State University named after Ivan Franko, Order of Lenin). In Ukrainian.

Boundary-value problems of mathematical physics. Issue 3. A. V. Solonnikov. On boundary-value problems for linear parabolic systems of differential equations of general form. Moscow-Leningrad, "Nauka," Leningrad branch, 1965. 163 pp. (Academy of Sciences of the USSR. Proceedings of the V. A. Steklov Mathematical Institute. Vol. 83).

Course of higher mathematics and mathematical physics. Issue 3. L. E. Elsgolts. Differential equations and the calculus of variations. Moscow, "Nauka," 1965. 424 pp. with illustrations.

Li Tsung-dao. Mathematical methods in physics. Translated from English. Moscow, "Mir," 1965. 296 pp. with illustrations.

Norkin S. B. Second-order differential equations with retarded argument. Some questions of the theory of oscillations of systems with delay. Moscow, "Nauka," 1965. 354 pp. Bibliography: pp. 347-354.

Semyonisty V. I. Problem book and practical course for the course "Methods of Mathematical Physics." Edited by A. S. Solodovnikov. Moscow, "Prosveshchenie," 1965. 164 pp. with drawings. (Main Administration of Higher and Secondary Pedagogical Educational Institutions of the Ministry of Education of the RSFSR, Moscow State Correspondence Pedagogical Institute).

Hedin D. Introduction to the method of phase integrals (WKB method). Translated from English. Moscow, "Mir," 1965. 238 pp. with illustrations. (Library of the collection "Matematika").

Hörmander L. Linear differential operators with partial derivatives. Translated from English by N. D. Vvedenskaya and L. R. Volevich. Edited by B. P. Paneakh. Moscow, "Mir," 1965. 379 pp. with drawings.

Note: Figure translations are in progress. See original paper for figures.

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