New Books

A. R. Shakun

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Abstract

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New Books

Biyadze A. V. Boundary-value problems for elliptic equations of the second order. Moscow, "Nauka," 1966, 203 pp.

Bylov B. F., Vinograd R. E., Grobman D. M., Nemytskii V. V. Theory of Lyapunov exponents and its applications to questions of stability. Moscow, "Nauka," 1966, 576 pp.

Higher mathematics. For second-year students (first semester). Lecture notes. Moscow, 1966. (Ministry of Higher and Secondary Specialized Education of the RSFSR. All-Union Correspondence Polytechnic Institute. Educational television.)

Lectures 21–32. Differential equations. (Compiled by F. A. Bakhshiyan, N. Ya. Vilenkin, A. P. Polozkov, D. P. Polozkov), 44 pp.

Dzhrbashyan M. M. Integral transforms and representations of functions in the complex domain. Moscow, "Nauka," 1966, 672 pp.

Ivanova L. S. Elementary information on differential equations with partial derivatives of mathematical physics. Edited by Kh. A. Smirnova. Moscow, 1965, 47 pp. (Ministry of Higher and Secondary Specialized Education of the RSFSR. Moscow Polygraphic Institute. Supplementary chapters to the course in higher mathematics, issue 3).

Integral operators in spaces of summable functions. Moscow, "Nauka," 1966, 499 pp. Foreword by the authors: M. A. Krasnosel' skii, P. P. Zabreiko, E. I. Pustyl' nik, P. E. Sobolevskii.

Krylov V. I., Shul' gina L. T. Handbook on numerical integration. Moscow, "Nauka," 1966, 370 pp.

Malkin I. G. Theory of stability of motion. 2nd ed., revised. Moscow, "Nauka," 1966, 530 pp., with drawings.

Mekhvarishvili Ya. G. Ordinary differential equations of the first order. (Methodological instructions for students of correspondence and evening departments of pedagogical institutes.) 2nd ed. Tbilisi, "Ganatleba," 1966, 75 pp. (Scientific-methodological office of the Ministry of Higher and Secondary Specialized Education of the Georgian SSR).

Mladov A. G. A system of differential equations and stability of motion according to Lyapunov. (Study aid for higher-education institutions.) Moscow, "Vysshaya shkola," 1966, 224 pp., with graphs.

Muskhelishvili N. I. Some basic problems of the mathematical theory of

elasticity. Fundamental equations. Plane theory of elasticity. Torsion and bending. 5th ed., revised and supplemented. Moscow, "Nauka," 1966, 707 pp.

Some investigations in number theory, differential equations, and probability theory. (Collected papers. Responsible editor P. P. Loginov). Tashkent, "Nauka," 1966, 92 pp. (Ministry of Higher and Secondary Specialized Education of the Uzbek SSR. Tashkent State Pedagogical Institute named after Nizami. Scientific notes, vol. 61).

Obmorshev A. N. Introduction to the theory of oscillations. Edited by V. V. Petrov. Textbook for university students. Moscow, "Nauka," 1965, 276 pp.

Piskunov N. S. Differential and integral calculus. For higher-education institutions. 7th ed. Moscow, "Nauka," 1966, vol. 1, 551 pp., with drawings; vol. 2, 312 pp., with drawings.

Problems of mathematical physics. (Collected papers.) Edited by M. Sh. Birman. Leningrad, Leningrad University Press, 1966. (Leningrad Order of Lenin University named after A. A. Zhdanov). Issue 1. Spectral theory and wave processes. 133 pp., with drawings.

Solomentsev E. D. Theory of functions of a complex variable, operational calculus, stability of linear systems. (Study aid). Moscow, 1966, 152 pp., with drawings. (Ministry of Higher and Secondary Specialized Education of the RSFSR. Moscow Order of Lenin Power Engineering Institute. Department of special courses in higher mathematics).

Trostnikov V. N. Differential equations in modern science. Moscow, "Znanie," 1966, 48 pp. (New in life, science and technology. 9th series. Physics. Mathematics. Astronomy. 11).

Feshchenko S. F., Shkil' N. I., Nikolenko L. D. Asymptotic methods in the theory of linear differential equations. Kiev, "Naukova dumka," 1966, 251 pp. (Academy of Sciences of the Ukrainian SSR. Institute of Mathematics).

Fichtenholz G. M. Course of differential and integral calculus. (For universities and pedagogical institutes.) 6th ed. Moscow, "Nauka," 1966, vol. 1, 608 pp., with drawings; vol. 2, 800 pp., with drawings; vol. 3, 656 pp.

Numerical methods for solving mathematical physics. Collected papers. Moscow, "Nauka," 1966, 272 pp. (Editorial board of the journal *Computational Mathematics and Mathematical Physics*. Supplement to the journal *Computational Mathematics and Mathematical Physics*, vol. 6, no. 4).

Yanenko N. N. The method of fractional steps for solving multidimensional problems of mathematical physics. Novosibirsk, 1966, 225 pp., with drawings. (Novosibirsk State University).

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