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New books

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Abstract

Full Text

Preamble

**DIFFERENTIAL EQUATIONS, SEPTEMBER 1967, VOLUME III,
NO. 9**

New Books

Barbashin, E. A. *Introduction to the Theory of Stability*. Moscow, "Nauka," 1967, 223 pp. (Engineer' s Library of Physics and Mathematics).

Bellman, R. and Cooke, K. L. *Differential-Difference Equations*. Translated from English by E. M. Zverkin and G. A. Kamensky. Edited by L. E. Elsgolts. Moscow, "Mir," 1967, 548 pp.

Vulikh, B. Z. *Introduction to Functional Analysis*. 2nd edition, revised and expanded. Moscow, "Nauka," 1967, 415 pp.

Gelfond, A. O. *Calculus of Finite Differences*. (Textbook for universities). 3rd edition, corrected. Moscow, "Nauka," 1967, 375 pp.

Gokhberg, I. Ts. and Krein, M. G. *Theory of Volterra Operators in Hilbert Space and Its Applications*. Moscow, "Nauka," 1967, 508 pp.

Differential Equations and Their Application. (Collection of articles, edited by O. A. Zhautykov). Alma-Ata, "Nauka," 1967, 148 pp. with diagrams. (Academy of Sciences of the Kazakh SSR, Institute of Mathematics and Mechanics).

Research on Integro-Differential Equations in Kirghizia. (Collection of articles, Editor-in-Chief M. I. Imanaliev). Frunze, "Ilim," 1967. (Academy of Sciences of the Kirghiz SSR, Institute of Physics and Mathematics). Issue 4, 202 pp. with diagrams.

Kats, A. M. *Ordinary Differential Equations: Lectures.* (For full-time and correspondence students). Leningrad, 1967, 73 pp. (Ministry of Higher and Secondary Specialized Education of the RSFSR, Leningrad Order of Lenin S. M. Kirov Forestry Academy).

Ladyzhenskaya, O. A., Solonnikov, V. A., and Uraltseva, N. N. *Linear and Quasilinear Equations of Parabolic Type.* Moscow, "Nauka," 1967, 736 pp.

Lefschetz, S. *Stability of Nonlinear Control Systems.* Translated from English by E. L. Nappelbaum. Moscow, "Mir," 1967, 183 pp.

Mamedov, Rashid. *Approximation of Functions by Linear Operators.* Baku, "Azerneshr," 1967, 216 pp.

Matveev, N. M. *Collection of Problems and Exercises in Ordinary Differential Equations.* (For universities). 3rd edition, corrected and expanded. Minsk, "Vysshaya Shkola," 1967, 307 pp. with diagrams.

Mathematical Physics. (Collection of articles, Editor-in-Chief Yu. A. Mitropolsky). Kiev, "Naukova Dumka," 1967. (Academy of Sciences of the Ukrainian SSR, Republican Interdepartmental Collection). Issue 3, 287 pp. with diagrams.

The Method of Least Squares in Problems of Mathematical Physics. (Collection of articles, edited by M. S. Salakhitdinov). Tashkent, "Fan," 1966, 143 pp. (Academy of Sciences of the Uzbek SSR, V. I. Romanovsky Institute of Mathematics).

Nagumo, Michio. *Lectures on the Modern Theory of Partial Differential Equations.* Translated from Japanese by V. I. Burenkov et al. Edited by A. A. Dezin. Moscow, "Mir," 1967, 132 pp.

Problems of Mathematical Physics. (Collection of articles). Edited by M. Sh. Birman. Leningrad, Leningrad University Publishing House, 1967. (Leningrad Order of Lenin A. A. Zhdanov State University). Issue 2: Spectral Theory and Diffraction Problems, 158 pp.

Collection on the Qualitative Theory of Differential Equations. (Editorial Board: I. P. Makarov et al.). Moscow, "Vysshaya Shkola," 1966, 88 pp. (Ministry of Education of the RSFSR, Ryazan State Pedagogical Institute, Scientific Notes, Vol. 41).

Collection of Works on Equations of Mathematical Physics. (Edited by G. F. Mandzhavidze). Tbilisi, "Metsniereba," 1967. (Academy of Sciences of the Georgian SSR, Proceedings of the A. M. Razmadze Tbilisi Mathematical Institute). Vol. 32, 177 pp.

Seminar on Boundary Value Problems, Kazan: Proceedings. Kazan University Publishing House, 1967. (Kazan Order of the Red Banner of Labour V. I. Ulyanov-Lenin State University). Issue 4, 168 pp.

Seminar on the Theory of Differential Equations with Deviating Argument,

Moscow: Proceedings. Moscow, 1967. (Patrice Lumumba University of Peoples' Friendship). Vol. 4, 287 pp.; Vol. 5, 249 pp.

Sokolov, Yu. D. *The Method of Averaging Functional Corrections.* Kiev, "Naukova Dumka," 1967, 336 pp. (Academy of Sciences of the Ukrainian SSR, Institute of Mathematics).

Teshabayeva, N. *Methods of Mathematical Physics.* (Textbook for university and pedagogical institute students). Tashkent, "Uchitel," 1966, 347 pp.

Tikhonov, A. N. and Samarsky, A. A. *Equations of Mathematical Physics.* (Textbook for universities). 3rd edition, corrected and expanded. Moscow, "Nauka," 1966, 724 pp. with diagrams.

Filatov, A. *Averaging in Differential and Integro-Differential Equations.* Tashkent, "Fan," 107 pp. (Academy of Sciences of the Uzbek SSR, Institute of Cybernetics and Computing Center).

Functional Analysis: Certain Issues in the Theory of Differential Equations and Function Theory. (Collection of articles, edited by Z. I. Khalilov). Baku, Publishing House of the Academy of Sciences of the Azerbaijan SSR, 1967, 214 pp. (Academy of Sciences of the Azerbaijan SSR, Institute of Mathematics and Mechanics).

Functional Analysis and Function Theory. (Collection of articles, foreword by B. L. Laptev). Kazan, Kazan University Publishing House, 1967. (Kazan Order of the Red Banner of Labour V. I. Ulyanov-Lenin State University, Scientific Notes). Part 4, edited by Yu. I. Gribanov, 163 pp., Vol. 127, Book 1.

Compiled by A. R. Shakun.

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