

NOTES

Vychislitel'naia Matematika

The new Russian Journal *Vychislitel'naia Matematika* has recently appeared. The subjects treated in the first two issues are in the fields of Numerical Methods and Computing Machines (both digital and analogue). We reprint below the table of contents of the first two volumes.

1. Izdatel'stvo Akademii Nauk SSSR, Vychislitel'nyi Tsentr, Sbornik 1, Moskva, 1957.

L. A. Liusternik; The finite-difference analog of Green's function in the three-dimensional case.

IU. V. Vorob'ev; The method of moments in the problem of the vibrations of linear systems.

E. A. Volkov; Investigation of a method of improving the accuracy of the method of nets for solving Poisson's equation.

V. K. Saul'ev; On a class of elliptic equations, solved by use of the method of finite differences.

V. K. Saul'ev; On an estimate of the error in getting characteristic functions by the method of finite differences.

A. I. Vzorova; On the construction of polynomials orthogonal on a family of ellipses.

IA. I. Alikhashkin; A method of calculating the discharge for forced flows through an imperfect slit.

IA. I. Alikhashkin; Solution of the problem of the imperfect slit by the method of straight lines.

G. S. Khovanskiĭ; On the replacement of the logarithm function by a power in making approximate nomograms.

S. P. Kapitsa; Mechanical computation of the harmonic adjoint function.

2. Izdatel'stvo Akademii Nauk SSSR, Vychislitel'nyi Tsentr, Sbornik 2, Moskva, 1957.

M. R. Shura-Bura; Approximating functions of many variables by functions each of which depends on one variable.

P. I. Chushkin; The flow around ellipses and ellipsoids in sonic gas flow.

O. N. Katskova and IU. D. Shmyglevskiĭ; Axisymmetric supersonic flow of a freely expanding gas with a plane transitional surface.

V. S. Linskiĭ; Computation of elementary function on automatic computing machines.

M. G. Rappoport; Computation of finite differences on punched-card machines.

B. M. Drozdov and M. G. Rappoport; Coding of operations on the electronic computer EV80-3.

A. G. Gesse; Electrical resonance networks for solving systems of linear equations.

G. S. Khovanskiĭ; Methodology of constructing nomograms with a triangular (hexagonal) transparency.

E.I.

New Journals

The publication of two new German journals in the fields of numerical analysis and data-processing has been announced recently. The journal in numerical analysis has the title *Numerische Mathematik* and is published by Lange & Springer, West-Berlin. The editors are: R. Sauer, E. Stiefel, J. Todd, and A. Walther. The first issue contains the following papers:

1. Über diskrete und lineare Tschebyscheff-Approximationen.
2. On certain methods for expanding the characteristic polynomial.
3. Orthogonal polynomials in several variables.
4. Report on the algorithmic language ALGOL.

The new journal on data-processing is published by Friedr. Vieweg & Sohn, Braunschweig under the editorship of H. K. Schuff. Its title is *Elektronische Datenverarbeitung*. The first issue contains a number of papers on programming and application of digital computers with particular emphasis on their use in the management data analysis field.

H.P.