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BOOK REVIEW

BATSCHLET, E.: INTRODUCTION TO MATHEMATICS FOR LIFE SCIENTISTS. Third Edition. — Springer Verlag, Berlin—Heidelberg—New York 1979. 643 pp. DM 39,50; US \$ approx. 21.80.

In recent years the significance of mathematics in biology has increased as a result of the fact that more and more methods have come into usage. The book reviewed is assigned to those who need to get acquainted with the fundamentals of mathematics, or to revise them.

The publication is divided into 15 chapters the titles of which themselves suggest much of the wide range of problems presented by the author. They are: Real Numbers, Sets and Symbolic Logic, Relations and Functions, The Power Function and Related Functions, Periodic Functions, Exponential and Logarithmic Functions I, Graphical Methods, Limits, Differential and Integral Calculus, Exponential and Logarithmic Functions II, Ordinary Differential Equations, Function of Two or More Independent Variables, Probability, Matrices and Vectors, Complex Numbers.

Each chapter contains a great number of objective, biologically oriented concrete examples to which the topics explained may be applied. Moreover, the reader will find a list of problems placed at the end of individual chapters, their solutions being given in the concluding chapter. The text is accompanied by 227 figures and supplemented with tables of certain current mathematical functions, applicable to the solution of individual examples.

The publication will become a useful help to the readers who do not deal with mathematics systematically: the knowledge of at least its fundamentals will not only facilitate their work (e.g. in evaluating various experiments), but at the same time improve the entire research process.

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