

Pocket Book of Integrals and Mathematical Formulas, 5th Edition (Advances in Applied Mathematics)

By Ronald J. Tallarida



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Pocket Book of Integrals and Mathematical Formulas, 5th Edition covers topics ranging from precalculus to vector analysis and from Fourier series to statistics, presenting numerous worked examples to demonstrate the application of the formulas and methods. This popular pocket book is an essential source for students of calculus and higher mathematics courses. It also provides an easy-to-use, accessible reference for mathematicians, engineers, scientists, and others seeking vital mathematical formulas, concepts, and definitions.

Enlarging the type without sacrificing special topics involving financial mathematics and number theory, this **5th Edition**:

- Includes several classic calculus applications that illustrate the power and practical use of calculus
- Discusses an interesting offshoot of Fermat's last theorem, namely, "near misses"
- Reformats and revises the table of integrals for improved clarity and accuracy

Through careful selection of topics and detail, **Pocket Book of Integrals and Mathematical Formulas, 5th Edition** remains a portable yet comprehensive resource for students and professionals, containing the most important mathematical formulas for engineering and scientific applications.



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Editorial Review

About the Author

Ronald J. Tallarida holds a BS and MS in physics/mathematics and a Ph.D in pharmacology. His primary appointment is professor of pharmacology at Temple University School of Medicine, Philadelphia, Pennsylvania, USA. For more than 30 years, he also served as adjunct professor of biomedical engineering at Drexel University, Philadelphia, Pennsylvania, USA, where he received the Lindback Award for distinguished teaching of mathematics. He has published more than 290 works, been the recipient of NIH research grants, and served as consultant to industry and government agencies. His research interests include the mathematical modeling of biological systems, feedback control, and the action of drugs and drug combinations.

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