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★ **Multidimensional real analysis. II. Integration.**

Translated from the Dutch by J. P. van Braam Houckgeest.

Cambridge Studies in Advanced Mathematics, 87.

Cambridge University Press, Cambridge, 2004. pp. i–xviii and 423–798. \$130.00 the two-volume set. ISBN 0-521-82925-9

Publisher's description: "This is the second volume of the authors' comprehensive and innovative work on multidimensional real analysis [Part I, *Multidimensional real analysis. I. Differentiation*, Translated from the Dutch by J. P. van Braam Houckgeest, Cambridge Univ. Press, Cambridge, 2004; [MR2121976](#)]. It is based on extensive teaching experience at Utrecht University and gives a thorough account of differential analysis in multidimensional Euclidean space. It is an ideal preparation for students who wish to go on to more advanced study.

"The notation is carefully organized and all proofs are clean, complete and rigorous. The authors have taken care to pay proper attention to all aspects of the theory. In many respects this book presents an original treatment of the subject and it contains many results and exercises that cannot be found elsewhere.

"The numerous exercises illustrate a variety of applications in mathematics and physics. This, combined with the exhaustive and transparent treatment of the subject matter, makes the book ideal as either the text for a course, a source of problems for a seminar or for self study."

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