

Heinz König: *Measure and Integration. Publications 1997–2011.*

Birkhäuser, Basel 2012, xi + 512 pp., £85.50, \$ 129.00, € 101.60 (RRP).

ISBN-13: 978-3-0348-0381-6.

The book under review is a collection of 25 papers by Heinz König written in the period 1997–2011. All papers revolve around certain aspects of measure theory and the aim is to complement the material in the author’s research monograph *Measure and Integration—An Advanced Course in Basic Procedures and Applications*, Springer, Berlin 1997 (reprinted 2009). The material is essentially uncommented, only a short preface and the 2-page introduction establish the connections to the predecessor volume and gives some ideas about the innovations. Some *Errata and Addenda* to the papers are listed in the back of the book (4 pages).

The collection is, like the monograph of 1997, mainly aimed at the specialist and it is not suitable for the novice. What makes reading rather hard are the rather heavy-handed and non-standard notions and notation. The missionary zeal of the author shows at many places: Almost ideologically the reader learns that nonsequential, inner extensions of measures are always better than sequential, outer procedures and that he should follow the author’s “new theory in its final form” (p. 505). Without any doubt, the papers contain many interesting ideas which are worth being known but so far enthusiasm (at least measured in citations in MathSciNet) is rather moderate. Whether it is true that the “reason for failure seems to be that the foundations [...] were fashioned for isotone *real-valued* set functions instead of nonnegative ones” (p. v) must be left to the readers.

René L. Schilling
Institut für Stochastik
TU Dresden
D-01062 Dresden, Germany
rene.schilling@tu-dresden.de