Constanda, Christian (ed.); Dalla Riva, Matteo (ed.); Lamberti, Pier Domenico (ed.); Musolino, Paolo (ed.)
Integral methods in science and engineering, Volume 2. Practical applications. Based on talks given at the 14th international conference, Padova, Italy, July 25–29, 2016. (English) [Zbl 1381.45001]

Publisher’s description: This contributed volume contains a collection of articles on the most recent advances in integral methods. The second of two volumes, this work focuses on the applications of integral methods to specific problems in science and engineering. Written by internationally recognized researchers, the chapters in this book are based on talks given at the Fourteenth International Conference on Integral Methods in Science and Engineering, held July 25–29, 2016, in Padova, Italy. A broad range of topics is addressed, such as:

- Boundary elements
- Transport problems
- Option pricing
- Gas reservoirs
- Electromagnetic scattering

This collection will be of interest to researchers in applied mathematics, physics, and mechanical and petroleum engineering, as well as graduate students in these disciplines, and to other professionals who use integration as an essential tool in their work.

The articles of this volume will be reviewed individually. For Volume 1 see [Zbl 1381.45002].

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MSC:

45-06 Proceedings, conferences, collections, etc. pertaining to integral equations
34-06 Proceedings, conferences, collections, etc. pertaining to ordinary differential equations
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00A69 General applied mathematics
65-06 Proceedings, conferences, collections, etc. pertaining to numerical analysis
00B25 Proceedings of conferences of miscellaneous specific interest

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