Solutions Manual for Actuarial Mathematics for Life Contingent Risks

This must-have manual provides detailed solutions to all of the 200+ exercises in Dickson, Hardy and Waters' *Actuarial Mathematics for Life Contingent Risks*, Second Edition. This ground-breaking text on the modern mathematics of life insurance is required reading for the Society of Actuaries’ Exam MLC and also provides a solid preparation for the life contingencies material of the UK actuarial profession’s Exam CT5.

Beyond the professional examinations, the textbook and solutions manual offer readers the opportunity to develop insight and understanding, and also offer practical advice for solving problems using straightforward, intuitive numerical methods. Companion spreadsheets illustrating these techniques are available for free download.

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SOLUTIONS MANUAL FOR ACTUARIAL MATHEMATICS FOR LIFE CONTINGENT RISKS
SECOND EDITION

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Preface

This manual presents solutions to all exercises from

*Actuarial Mathematics for Life Contingent Risks, 2nd edition* (AMLCR),
by David C. M. Dickson, Mary R. Hardy, Howard R. Waters,
Cambridge University Press, 2013
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It should be read in conjunction with the spreadsheets posted at the website
www.cambridge.org\%9781107620261 which contain details of the calculations re-
quired. However, readers are encouraged to construct their own spreadsheets before
looking at the authors’ approach. In the manual, exercises for which spreadsheets are
posted are indicated with an E.

In some cases the answers in the manual will differ from answers calculated using
tables such as those provided in Appendix D of AMLCR. The differences arise from
rounding errors. The numbers given in this manual are calculated directly, without
using rounded table values, unless otherwise indicated.

From time to time, updates to this manual may appear at
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