

R Textbook Companion for  
Numerical Methods  
by E Balaguruswamy<sup>1</sup>

Created by  
Akhil M  
B-Tech  
Mechanical Engineering  
Government Engineering College Barton Hill  
Cross-Checked by  
R TBC Team

October 5, 2024

<sup>1</sup>Funded by a grant from the National Mission on Education through ICT  
- <http://spoken-tutorial.org/NMEICT-Intro>. This Textbook Companion and R  
codes written in it can be downloaded from the "Textbook Companion Project"  
section at the website - <https://r.fossee.in>.

# Book Description

**Title:** Numerical Methods

**Author:** E Balaguruswamy

**Publisher:** Tata Mcgraw-hill, New Delhi

**Edition:** 5

**Year:** 2001

**ISBN:** 0-07-463311-2

R numbering policy used in this document and the relation to the above book.

**Exa** Example (Solved example)

**Eqn** Equation (Particular equation of the above book)

For example, Exa 3.51 means solved example 3.51 of this book. Sec 2.3 means an R code whose theory is explained in Section 2.3 of the book.

# Contents

List of R Codes	4
-----------------	---

## List of R Codes