

Preface to the Third Edition

This edition is enriched by new examples, problems, and solutions, in particular concerned with simple shear. I have also added an example with the derivation of constitutive relations and tangent moduli for hyperelastic materials with the isochoric-volumetric split of the strain energy function. Besides, Chap. 2 has some new figures illustrating spherical coordinates. These figures have again been prepared by Uwe Navrath. I also gratefully acknowledge Khiêm Ngoc Vu for careful proofreading of the manuscript. At this opportunity, I would also like to thank the Springer-Verlag and in particular Jan-Philip Schmidt for the fast and friendly support in getting this edition published.

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