



Correction to: Introduction to Solid Mechanics

Correction to:

J. Lubliner, P. Papadopoulos,
Introduction to Solid Mechanics,

<https://doi.org/10.1007/978-3-319-18878-2>

After initial publication of the book, various errors were identified that needed correction. All corrections listed below have been updated within the current version.

Chapter 1

1. p. 13: n should be k
2. p. 30: added missing right parenthesis
3. pp. 31–32: added missing O in figures
4. p. 33: (1) added missing “of”; (2) deleted redundant commas in Eqs. (1.43) and (1.44)
5. p. 34: added missing $(i = 1, 2, \dots, n)$
6. p. 34: added missing space \mathbf{r}_i ($i = 1, 2, \dots, n$)
7. p. 35: rephrased for clarity
8. p. 38: deleted excessive space after heading
9. p. 48: rephrased for clarity

The updated online version for these chapters can be found at

https://doi.org/10.1007/978-3-319-18878-2_1
https://doi.org/10.1007/978-3-319-18878-2_2
https://doi.org/10.1007/978-3-319-18878-2_3
https://doi.org/10.1007/978-3-319-18878-2_4
https://doi.org/10.1007/978-3-319-18878-2_5
https://doi.org/10.1007/978-3-319-18878-2_6
https://doi.org/10.1007/978-3-319-18878-2_8
https://doi.org/10.1007/978-3-319-18878-2_9
https://doi.org/10.1007/978-3-319-18878-2_10
<https://doi.org/10.1007/978-3-319-18878-2>

Chapter 2

1. pp. 52, 55: rewrote to keep symbols on the same line as the words defining them.
2. p. 55: “its its” is corrected to “its”.
3. p. 62: deleted redundant “the”
4. p. 63: (1) added missing subscript e to F_i, F_1, F_2 and F_3 ; (2) reworded exercise directions for clarity; (3) rewrote to keep symbols on the same line as the words defining them.
5. p. 64: continuation of rewording on p. 63
6. p. 64: “in the” is corrected to “at its” (that is, “in the closest distance” changed to “at its closest distance”).
7. p. 67: corrected mistake
8. p. 74: added missing period and space
9. p. 78: replaced x with \bar{x} in figure
10. p. 83: added missing space between “diagram” and “for”
11. p. 84: added missing clarification
12. p. 91: (1) corrected “c” to “d”; (2) deleted redundant wording in fig. 2.36a; (3) added clarification
13. p. 95: added missing A in figure
14. p. 97: reworded 2.3-7 for clarity

Chapter 3

1. p. 112: deleted redundant wording in the last paragraph
2. pp. 140–141: deleted old Exercise 3.4-6 and renumbered the following exercises
3. p. 143: added missing “positive”
4. p. 152: corrected font size in the figure

Chapter 4

1. p. 178: added missing “average”
2. p. 212: corrected “is” to “be”

Chapter 5

1. p. 237: added missing “tensorial”

Chapter 6

1. p. 291: corrected P_n to P_{n+1} in the figure
2. pp. 293–294: added missing “are given”

Chapter 8

1. p. 369: added necessary space before minus sign in the figure
2. p. 372: corrected 2 to 4 in Eq. (8.36)
3. p. 402: corrected (c) to (b) in Exercise 8.4-9(c)

Chapter 9

1. 431: clarified dimensions in Fig. 9.3-4

Chapter 10

1. p. 457: added missing minus sign
2. p. 469: added missing “sinusoidally”