

1 Basic of thermodynamics

Page 18, Figure 2.22: replace value on p -axis 1.03 with 1.013.

Page 18, line 17: replace the text 'temperature of the triple point' with 'temperature of the critical point'. [reported by Marta Karlova]

2 Heat transfer

Page 42, Figure 2.18: replace the unit on y -axis $\frac{\text{W } \mu\text{m}}{\text{m}^2}$ with $\frac{\text{W}}{\text{m}^2 \mu\text{m}}$.

Page 45, Figure 2.22: replace the unit on y -axis $\frac{\text{W } \mu\text{m}}{\text{m}^2}$ with $\frac{\text{W}}{\text{m}^2 \mu\text{m}}$.

Page 57, Problem 2.4: replace the text 'neglecting radiation and convection with the environment' with 'neglecting heat exchange with Earthly objects'. [reported by Zvonko Jagličić]

Page 57, Problem 2.5: replace the results 76°C and 33°C with 54°C and 29°C . [reported by Zvonko Jagličić]

3 Heat transfer in building components

Page 78, line 7: replace with

$$e = \frac{R'_T - R''_T}{2R_T}.$$

Page 95, Problem 3.6: replace the text 'Calculate ethe xternal' with 'Calculate the external'.

Page 95, Problem 3.6: replace the text 'the average external temperature' with 'the average of external and surface temperatures'.

Page 96, Problem 3.8: replace the results $4.14 \text{ m}^2 \text{ K/W}$ and $0.126 \text{ W}/(\text{m}^2 \text{ K})$ with $3.98 \text{ m}^2 \text{ K/W}$ and $0.258 \text{ W}/(\text{m}^2 \text{ K})$. [reported by Mirka Kandráčová]

Page 96, Problem 3.9: replace the result $1.37 \text{ W}/(\text{m}^2 \text{ K})$ with $1.39 \text{ W}/(\text{m}^2 \text{ K})$. [reported by Zvonko Jagličić]

4 Moisture in building components

Page 104, line 20: replace the text 'increased water vapour pressure' with 'decreased water vapour pressure'.

Page 145, Problem 4.9: replace the result -2.5°C with 9.5°C .

6 Sound propagation

Page 165, line 2: replace the text '7.9 kg/m³' with '7900 kg/m³'.

Page 172, line 10: replace the text 'sound intensity' with 'sound pressure level'.

Page 173, line 3: replace the text 'sound intensity' with 'sound pressure level'.

Page 173, line 9: replace the text 'sound intensity' with 'sound pressure level'.

Page 173, line 27: replace the text 'sound intensity' with 'sound pressure level'.

8 Illumination

Page 221, line 6: replace the text ‘illumination’ with ‘illuminance’. [reported by Zvonko Jagličić]

Page 226, line 15: replace the text ‘luminance dependence’ with ‘luminous intensity dependence’.

Page 227, line 3: replace the text ‘sound sources’ with ‘light sources’.

Page 232, line 2: add the text ‘positioned on the horizontal surface at geographic latitude 47° (Northern Hemisphere)’ behind ‘existing building’.

Page 234, lines 5–6: replace with

$$L_Z = \frac{9}{7\pi} (300 + 21000 \sin \gamma_s), \quad (8.39)$$

where γ_s is the altitude of the Sun.

Page 235, **Figure 8.16:** replace the unit on y -axis $\frac{\text{W nm}}{\text{m}^2}$ with $\frac{\text{W}}{\text{m}^2 \text{ nm}}$.

Tables

Page 243, line 2: replace the text 'ISO 12665' with 'EN 12665'.

Page 245, Table A.1: swap items q_v and q_m (wrong order).

Page 245, Table A.1: add

Z	1	zenith angle
α	1	azimuth
γ	1	altitude

Bibliography

Page 250, line 31: replace the text 'ISO 12665' with 'EN 12665'.