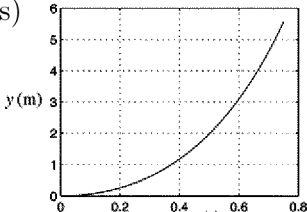


p.131, E3.3.5. Replace 40 ft/s with 21 m/s.
 p.150, E3.5.45. Replace “negative” with “positive”
 p.183, E3.8.7. $\theta = 0^\circ$, not 90°
 p.184, E3.8.16 Replace “ θ ” with “ ϕ ”
 p.192, m (appears twice) should be P
 p.212, E4.2.11. 1.3 m should be 1.3 ft.
 p.212, E4.2.12. The end of the 5 m arrow should terminate at the pad of the spring.
 p.212, E4.2.13. C should be directly below B .
 p.213, E4.2.23. Person weighs 122 lb.
 p.217, E4.2.40. Vine’s free length should be 14 m, not 15 m. An additional question should be: “If an energy approach isn’t enough to solve the problem then use a force balance and numerical integration.”
 p.226, E4.3.6. Recall that 1 food Calorie = 1000 calories = 4184 J
 p.228, E4.3.25. Gasoline: 1.25×10^8 J/gal.
 p.229, E4.3.29. Eliminate “at 45° .”
 p.243, E5.1.9. Change (twice) 90° to 0° .
 p.244, E5.1.16. $m_A = 10$ kg, $m_B = 1$ kg.
 p.262, Exam. 5.11. Data is incorrect. Flow rate is 8 l/s, $\dot{m} = 8$ kg/s, $v = 20$ m/s, $F = -160$ N (-36 lb).
 p.268, Exam 5.13. (2 kg/s) should be (0.2 kg/s) and $44\bar{4}$ should be $4\bar{4}$ (5th and 6th equation).
 New Figure 5.33 shown:



p.272, E5.5.8. Snow depth = 7.5 cm.
 p.274, E5.5.17. $u = 1180$ m/s
 p.277, E5.5.36. In part **d** delete **Computational**
 p.297, E6.1.33. ϕ is measured to ground, like θ .
 p.297, E6.1.35. $0.06\mathbf{j}$ cm should be $0.06\mathbf{j}$ m.
 p.297, E6.1.36. m/s should be ft/s.
 p.307, E6.2.22. Kill “Point C , part of the moving track, is midway between A and B and”. In pic erase the C .
 p.318, E6.3.12. Replace “radius” with “diameter.”
 p.334, E6.4.27. $h \ll \overline{BC}$: $\mathbf{r}_{C/B} \approx \mathbf{r}_{C/E}$.
 p.334, E6.4.28. $\mathbf{a}_A = 0$; Ex.6.4.29. $\mathbf{a}_O = 0$
 p.337, SA6.1. Initially $v = -9.9$ ft/s. Positive θ : cw.
 $\dot{\theta} = (100 \text{ rad/s}^2) [1 - 400(t - 0.05 \text{ s})^2]$, $\ddot{z} = -(10 \text{ s}^{-1})\dot{z}$.
 p.353, E7.1.16. $\phi = 30^\circ$.
 p.358 Exam. 7.6. $r_{dm/G}^2$ should be $r_{dm/O}^2$
 p.370, E7.2.26. $\rho = 8.6 \times 10^{-4}$ kg/cm², $a = 2.5$ cm.
 p.370, E7.2.30. “initially stationary” should be deleted.
 p.392-394, Exam. 7.15. The fractions $\frac{mg}{k_R}$ and $\frac{mg}{k_F}$

should be replaced with $\frac{mg}{2k_R}$ and $\frac{mg}{2k_R}$
 p.398, E7.3.8. Drop part **c**. New **b**.: Determine $\bar{\mathbf{a}}$ and $\boldsymbol{\omega}$ in configuration (b) via numerical integration.
 p.400, E7.3.22. Drop $t|_{\theta=45^\circ}$ versus μ .
 p.403, E7.3.41. Add “ $\theta = 10^\circ$.”
 p.404, E7.3.42. The left slope is 20° .
 p.406, E7.3.53. Change “Block B ” to “Block A ”.
 p.412, E7.4.3. \mathbf{v}_O should be \mathbf{v}_O
 p.425, E7.5.18. $\overline{OA} = 1.3L$, not L .
 p.425, E7.5.20. The disk is initially 0.5 ft, not 0.5 m, below the ceiling.
 p.429,430 SA7.1. Arm is 20 ft long, Part **b**. $6g$ should be $6g/s$.
 p.445, Exam. 8.5. 4th line from bottom. “velocity” should be “acceleration”
 p.447, E8.4.3. ω_1 and ω_2 are constant.
 p.447, E8.4.4. “about O at a constant angular ...”
 p.448, E8.4.5. In (a) axes should be X, Y, Z .
 p.454, Fig 8.27. Change “ C ” to “ c ”
 p.456, E8.6.10. Body has radius of r and length h .
 p.463, E8.7.3. R_1 and R_2 should be interchanged.
 p.463, E8.7.7. $a = 0.12$ m should be $h = 0.12$ m.
 p.482, SA8.1.1 (c): Flip both z axis and \mathbf{b}_3 by 180° .
 p.494, E9.1.26. This figure shows a repeat of E7.3.2. It should have shown E7.3.3.
 p.496, E9.1.41. Pulley radius should be 4.0 cm.
 p.504, E9.2.19. Add “Assume force is vertical.”
 p.511, In lines 6, 8, 9, 10, 12 ω_n should be ω
 p.528, Flat, Right-triangular Plate. $\bar{I}_{xy} = -\frac{mab}{36}$