

**1. Equation (3.37) (p 52):**

The last term within brackets on the right hand side should read  $(7\cos^2 \mathbf{f} - 3)$  instead of  $(7\cos^2 \mathbf{f} - 1)$ .

**2. Exercise 4.8 (p 114):**

The **correct** second and third equations in the problem's statement should be the following:

$$\dot{v} = \frac{f_T - D}{m} - g \sin \mathbf{f}$$
$$\dot{\mathbf{f}} = \frac{L}{mv} - \left( \frac{g}{v} - \frac{v \cos \mathbf{f}}{R_0 + h} \right)$$

**3. Exercise 7.7 (p 192):**

The **correct** equation this exercise statement is the following:

$$C = \frac{1}{2} V^2 - 2\mathbf{w} \cdot (\mathbf{R} \times \mathbf{V}) - \frac{(1 - \mathbf{m})}{r_1} - \frac{\mathbf{m}}{r_2}$$

**4. Equation (10.6) (p 240):** The “= (is equal to)” sign is missing at the end of the equation.

**5. Equation (9.14) (p 225):** The right-hand side should be multiplied by the term  $dh$ .

**6. Equation (9.15) (p 225):** The expression in the first pair of square brackets should read  $1 + \frac{a(h - h_i)}{T_i}$ .

**7. Equation (10.10) (p 241):** The last term should read  $\mathbf{r}\mathbf{v}(\nabla \cdot \mathbf{v})$  instead of  $\mathbf{r}\mathbf{v}(\nabla \cdot v)$ .

**8. Equation (10.13) (p 244):** The last term on the left-hand side should read  $\mathbf{r}\mathbf{v}(\nabla \cdot \mathbf{v})$  instead of  $\mathbf{r}\mathbf{v}(\nabla \cdot v)$ .

**9. Figure 12.4 (p 292):** The figure labels “ $x_y$ ” and “ $z_y$ ” should read “ $x_v$ ” and “ $z_v$ ”, respectively.

**10. MATLAB statement, line 19, p 402:** The **correct** statement is the following:

```
>>[t,x]=ode45(@spacevscmg,[0 40],[0 0 0 0.1 -0.2 0.5 0]') ;
```

**11. Equation (13.170) (p 441):** The expression on the right-hand side of the equation should be divided by

the term  $v^e$ . The correct equation should thus read  $V = -\frac{C_{n_r}}{v^e} \sqrt{\frac{qSb^3}{32J_{zz}C_{n_b}}}$ .

**12. Equation (14.28) (p 466):** The expression under square root should read  $V^2 - 1$ . The correct equation should thus read  $s_{1,2} = -V\mathbf{w}_n \pm \mathbf{w}_n \sqrt{V^2 - 1}$ .

**13. Last line, p 466, and fourth line, p 467:** The phrase should read  $0 \leq V < 1$  instead of  $0 \geq V < 1$ .



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