5.1.9 $J_x = 0{,}367\ \mathrm{kg \cdot m^2}$

5.1.10 $J_{y1} = \frac{mr^2}{2}$,

$$J_y = mr^2\left(\frac{1}{2} - \frac{16}{9}\frac{\sin^2\frac{\alpha}{2}}{\alpha^2}\right)$$

5.1.11 $J_x = 0{,}1987\ \mathrm{kg \cdot m^2}$

5.1.12 $J_x = \frac{3mr^2}{2}$

5.1.13 $J_x = mr^2\left(\frac{3}{2} - \frac{4}{\pi}\right)$

5.1.14 $J_z = 7\,736\ \mathrm{kg \cdot cm^2}$

5.1.15 $x_S = 1$ cm,
$J_z = 0{,}0185\ \mathrm{kg \cdot m^2}$

5.1.16 $J_x = J_y = 1125\ \mathrm{kg\ cm^2}$,
$J_z = 4\,500\ \mathrm{kg\ cm^2}$

Rotacija krutog tijela oko nepomične osi

5.3.1 $F_{Ax} = 6{,}316$ kN,
$F_{Ay} = -18{,}95$ kN,
$F_{Bx} = 9{,}474$ kN,
$F_{By} = -28{,}42$ kN.

5.3.2 $F_A = -\frac{5}{6}ma\omega^2$, $J_{xz} = 2ma^2$
$F_B = -\frac{2}{3}ma\omega^2$

5.3.3 $F_A = -0{,}1769ml\omega^2$,
$J_{yz} = ml^2\left(1 - \frac{\sqrt{3}}{9}\right)$
$F_B = -0{,}3231ml\omega^2$

5.3.4 $F_A = \frac{7}{36}ma\omega^2$, $J_{xz} = -\frac{5}{12}ma^2$,
$F_B = \frac{5}{36}ma\omega^2$

5.3.5 $J_{zx} = -4ml^2$, $J_{xy} = -2ml^2$,
$J_{yz} = 0$

5.3.6 $F_A = F_B = 399{,}6$ N

5.3.7 $F_S = 30{,}09$ N

5.3.8 a/b = -1/3 (a mjereno ulijevo od točke A)

5.3.9 $F_A = 18{,}1$ N, $F_B = -248{,}1$ N

5.3.10 $F_A = 653{,}57$ N, $F_B = 598{,}42$ N

5.3.11 $F_B = -10\,222$ N, $F_A = -57\,790$ N

5.3.12 $F_{Ay} = 253$ kN, $F_{Ax} = 160$ kN, $F_A = 299{,}6$ kN, $F_{By} = 107$ kN, $F_{Bx} = 280$ kN, $F_B = 299{,}6$ kN

5.3.13 $F_A = -1\,875$ N, $F_B = -2\,625$ N

5.3.14 $F_A = -1\,279$ N, $F_B = 596{,}9$ N

5.3.15 $F_A = -1\,386$ N, $F_B = -3\,653$ N

5.3.16 $F_A = -34{,}45$ N, $F_B = -28{,}63$ N

5.3.17 $F_A = 3{,}36$ N, $F_B = -3{,}36$ N

5.3.18 $\alpha = 2{,}87\ \mathrm{rad/s^2}$,
$a_1 = 0{,}432\ \mathrm{m/s^2}$,
$a_2 = 0{,}576\ \mathrm{m/s^2}$,
$F_{S1} = 143{,}4$ kN,
$F_{S2} = 105{,}9$ kN

5.3.19 $v_A = 1{,}253$ m/s