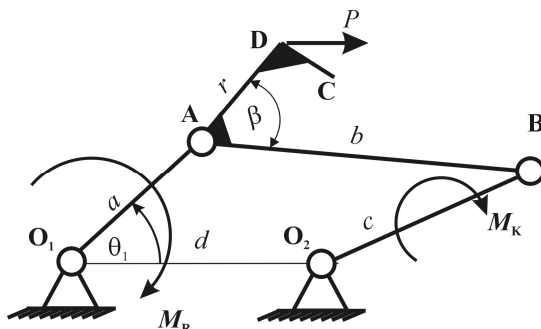


Dla mechanizmu czworoboku przegubowego wyznacz prędkość i przyspieszenie punktu D łącznika dla wskazanego położenia korby. Wymiary oraz prędkość obrotowa korby są zadane. Określ typ czworoboku. Na punkt D działa pozioma siła P zwrócona przeciwnie do zwrotu poziomej składowej prędkości tego punktu. Na ogniwo 3 O_2B działa moment obrotowy M_K przeciwnie zwrócony do prędkości kątowej ogniwa 3. Należy uwzględnić masę i masowy moment bezwładności ogniwa 2 AB. Środek masy ogniwa 2 leży w punkcie D. Masy pozostałych ogniw oraz siły tarcia można pominąć. Wymiary oraz prędkość obrotowa korby są zadane. Dane i wyniki z właściwymi jednostkami zestaw w tabeli. Przyjmij znak + we zworach na położenia kątowe ogniw.



Rys.

Imię i nazwisko	Grupa	Nr zestawu	Data oddania	Ocena

a	b	c	d	r	β	θ_1	n
Rozwiązanie			Łącznik			Wahacz	
			θ_2	ω_2	ε_2	θ_3	ω_3
Punkt D				Moc			
v_{Dx}	v_{Dy}	v_D	a_D	Siły P	Momentu M_k	Siły ciężk. N_G	
Moc sil. bezwładn.		Moment równoważący		Moc chwilowa		-----	

Zestaw nr: 1

$$\omega_1 = 2\pi \text{ rad/s}$$

$$a = 11 \text{ cm}, b = 13.5667 \text{ cm}, c = 15.6667 \text{ cm}, d = 15.4333 \text{ cm},$$

$$r = 16.5 \text{ cm}, \beta = \frac{\pi}{4} \text{ rad}, \theta_1 = \frac{2\pi}{15} \text{ rad}, n = 60 \text{ obr/min}, \varepsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.108262 \text{ kg}.$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.000166051 \text{ kgm}^2.$$

$$P = 381.347 \text{ N}, M_k = 3 \text{ Nm}$$

Zestaw nr: 2

$$\omega_1 = 3\pi \text{ rad/s}$$

$$a = 21 \text{ cm}, b = 26.4 \text{ cm}, c = 30 \text{ cm}, d = 29.1 \text{ cm},$$

$$r = 31.5 \text{ cm}, \beta = \frac{\pi}{2} \text{ rad}, \theta_1 = \frac{4\pi}{15} \text{ rad}, n = 90 \text{ obr/min}, \varepsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.210672 \text{ kg}.$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.00122358 \text{ kgm}^2.$$

$$P = 672.943 \text{ N}, M_k = 4.5 \text{ Nm}$$

Zestaw nr: 3

$$\omega_1 = 4\pi \text{ rad/s}$$

$$a = 31 \text{ cm}, b = 39.6667 \text{ cm}, c = 44.3333 \text{ cm}, d = 42.3333 \text{ cm},$$

$$r = 46.5 \text{ cm}, \beta = \frac{3\pi}{4} \text{ rad}, \theta_1 = \frac{2\pi}{5} \text{ rad}, n = 120 \text{ obr/min}, \varepsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.31654 \text{ kg}.$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.00415048 \text{ kgm}^2.$$

$$P = 980.423 \text{ N}, M_k = 6 \text{ Nm}$$

Zestaw nr: 4

$$\omega_1 = 5\pi \text{ rad/s}$$

$$a = 41 \text{ , cm, } b = 53.3667 \text{ , cm, } c = 58.6667 \text{ , cm, } d = 55.1333 \text{ cm,}$$

$$r = 61.5 \text{ cm, } \beta = \pi \text{ rad, } \theta_1 = \frac{8\pi}{15} \text{ rad, } n = 150 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.425866 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0101072 \text{ kgm}^2.$$

$$P = 1247.26 \text{ N, } M_k = 7.5 \text{ Nm}$$

Zestaw nr: 5

$$\omega_1 = 6\pi \text{ rad/s}$$

$$a = 51 \text{ , cm, } b = 67.5 \text{ , cm, } c = 73. \text{ , cm, } d = 67.5 \text{ cm,}$$

$$r = 76.5 \text{ cm, } \beta = \frac{5\pi}{4} \text{ rad, } \theta_1 = \frac{2\pi}{3} \text{ rad, } n = 180 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.53865 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0204519 \text{ kgm}^2.$$

$$P = 1419.62 \text{ N, } M_k = 9. \text{ Nm}$$

Zestaw nr: 6

$$\omega_1 = 7\pi \text{ rad/s}$$

$$a = 61 \text{ , cm, } b = 82.0667 \text{ , cm, } c = 87.3333 \text{ , cm, } d = 79.4333 \text{ cm,}$$

$$r = 91.5 \text{ cm, } \beta = \frac{3\pi}{2} \text{ rad, } \theta_1 = \frac{4\pi}{5} \text{ rad, } n = 210 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.654892 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0367555 \text{ kgm}^2.$$

$$P = 1461.45 \text{ N, } M_k = 10.5 \text{ Nm}$$

Zestaw nr: 7

$$\omega_1 = 8\pi \text{ rad/s}$$

$$a = 71 \text{ , cm, } b = 91.1167 \text{ , cm, } c = 94.6667 \text{ , cm, } d = 86.3833 \text{ cm,}$$

$$r = 106.5 \text{ cm, } \beta = \frac{7\pi}{4} \text{ rad, } \theta_1 = \frac{14\pi}{15} \text{ rad, } n = 240 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.727111 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0503055 \text{ kgm}^2.$$

$$P = 1366.33 \text{ N, } M_k = 12. \text{ Nm}$$

Zestaw nr: 8

$$\omega_1 = 9\pi \text{ rad/s}$$

$$a = 81 \text{ , cm, } b = 106.2 \text{ , cm, } c = 109. \text{ , cm, } d = 97.8 \text{ cm,}$$

$$r = 121.5 \text{ cm, } \beta = 0 \text{ rad, } \theta_1 = \frac{16\pi}{15} \text{ rad, } n = 270 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.847476 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0796517 \text{ kgm}^2.$$

$$P = 1162.88 \text{ N, } M_k = 13.5 \text{ Nm}$$

Zestaw nr: 9

$$\omega_1 = 10\pi \text{ rad/s}$$

$$a = 91 \text{ , cm, } b = 121.717 \text{ , cm, } c = 123.333 \text{ , cm, } d = 108.783 \text{ cm,}$$

$$r = 136.5 \text{ cm, } \beta = \frac{\pi}{4} \text{ rad, } \theta_1 = \frac{6\pi}{5} \text{ rad, } n = 300 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.971299 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.119915 \text{ kgm}^2.$$

$$P = 912.215 \text{ N, } M_k = 15. \text{ Nm}$$

Zestaw nr: 10

$$\omega_1 = \pi \text{ rad/s}$$

$$a = 1 \text{ , cm, } b = 2.66667 \text{ , cm, } c = 4.33333 \text{ , cm, } d = 4.33333 \text{ cm,}$$

$$r = 1.5 \text{ cm, } \beta = \frac{\pi}{2} \text{ rad, } \theta_1 = \frac{4\pi}{3} \text{ rad, } n = 30 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.02128 \text{ kg.}$$

Masowy moment bezw. ogniwa 2 I = 1.26104×10^{-6} kgm².

P= 697.372 N, Mk = 16.5 Nm

Zestaw nr: 11

$\omega_1 = 2\pi$ rad/s

a = 11 , cm, b = 15.2167 , cm, c = 18.6667 , cm, d = 18.2833 cm,

r = 16.5 cm, $\beta = \frac{3\pi}{4}$ rad, $\theta_1 = \frac{22\pi}{15}$ rad, n = 60 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.121429 kg.

Masowy moment bezw. ogniwa 2 I = 0.000234304 kgm².

P= 606.574 N, Mk = 18. Nm

Zestaw nr: 12

$\omega_1 = 3\pi$ rad/s

a = 21 , cm, b = 28.2 , cm, c = 33. , cm, d = 31.8 cm,

r = 31.5 cm, $\beta = \pi$ rad, $\theta_1 = \frac{8\pi}{5}$ rad, n = 90 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.225036 kg.

Masowy moment bezw. ogniwa 2 I = 0.00149131 kgm².

P= 713.627 N, Mk = 19.5 Nm

Zestaw nr: 13

$\omega_1 = 4\pi$ rad/s

a = 31 , cm, b = 41.6167 , cm, c = 47.3333 , cm, d = 44.8833 cm,

r = 46.5 cm, $\beta = \frac{5\pi}{4}$ rad, $\theta_1 = \frac{26\pi}{15}$ rad, n = 120 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.332101 kg.

Masowy moment bezw. ogniwa 2 I = 0.00479318 kgm².

P= 1059.6 N, Mk = 21. Nm

Zestaw nr: 14

$\omega_1 = 5\pi$ rad/s

a = 41 , cm, b = 50.5667 , cm, c = 54.6667 , cm, d = 51.9333 cm,

r = 61.5 cm, $\beta = \frac{3\pi}{2}$ rad, $\theta_1 = \frac{28\pi}{15}$ rad, n = 150 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.403522 kg.

Masowy moment bezw. ogniwa 2 I = 0.00859834 kgm².

P= 1639.9 N, Mk = 22.5 Nm

Zestaw nr: 15

$\omega_1 = 6\pi$ rad/s

a = 51 , cm, b = 64.5 , cm, c = 69. , cm, d = 64.5 cm,

r = 76.5 cm, $\beta = \frac{7\pi}{4}$ rad, $\theta_1 = 0$ rad, n = 180 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.51471 kg.

Masowy moment bezw. ogniwa 2 I = 0.0178444 kgm².

P= 2400. N, Mk = 24. Nm

Zestaw nr: 16

$\omega_1 = 7\pi$ rad/s

a = 61 , cm, b = 78.8667 , cm, c = 83.3333 , cm, d = 76.6333 cm,

r = 91.5 cm, $\beta = 0$ rad, $\theta_1 = \frac{2\pi}{15}$ rad, n = 210 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.629356 kg.

Masowy moment bezw. ogniwa 2 I = 0.0326214 kgm².

P= 3241.45 N, Mk = 25.5 Nm

Zestaw nr: 17

$\omega_1 = 8\pi$ rad/s

a = 71 , cm, b = 93.6667 , cm, c = 97.6667 , cm, d = 88.3333 cm,

r = 106.5 cm, $\beta = \frac{\pi}{4}$ rad, $\theta_1 = \frac{4\pi}{15}$ rad, n = 240 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.74746 kg.

Masowy moment bezw. ogniwa 2 I = 0.0546483 kgm².

P= 4037.66 N, Mk = 27. Nm

Zestaw nr: 18

$\omega_1 = 9\pi$ rad/s

a = 81 , cm, b = 108.9 , cm, c = 112. , cm, d = 99.6 cm,

r = 121.5 cm, $\beta = \frac{\pi}{2}$ rad, $\theta_1 = \frac{2\pi}{5}$ rad, n = 270 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.869022 kg.

Masowy moment bezw. ogniwa 2 I = 0.0858826 kgm².

P= 4657.01 N, Mk = 28.5 Nm

Zestaw nr: 19

$\omega_1 = 10\pi$ rad/s

a = 91 , cm, b = 124.567 , cm, c = 126.333 , cm, d = 110.433 cm,

r = 136.5 cm, $\beta = \frac{3\pi}{4}$ rad, $\theta_1 = \frac{8\pi}{15}$ rad, n = 300 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.994042 kg.

Masowy moment bezw. ogniwa 2 I = 0.128537 kgm².

P= 4989.04 N, Mk = 30. Nm

Zestaw nr: 20

$\omega_1 = \pi$ rad/s

a = 1 , cm, b = 4.16667 , cm, c = 7.33333 , cm, d = 7.33333 cm,

r = 1.5 cm, $\beta = \pi$ rad, $\theta_1 = \frac{2\pi}{3}$ rad, n = 30 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.03325 kg.

Masowy moment bezw. ogniwa 2 I = 4.81047×10^{-6} kgm².

P= 4968.65 N, Mk = 31.5 Nm

Zestaw nr: 21

$\omega_1 = 2\pi$ rad/s

a = 11 , cm, b = 13.0167 , cm, c = 14.6667 , cm, d = 14.4833 cm,

r = 16.5 cm, $\beta = \frac{5\pi}{4}$ rad, $\theta_1 = \frac{4\pi}{5}$ rad, n = 60 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.103873 kg.

Masowy moment bezw. ogniwa 2 I = 0.000146663 kgm².

P= 4593.13 N, Mk = 33. Nm

Zestaw nr: 22

$\omega_1 = 3\pi$ rad/s

a = 21 , cm, b = 25.8 , cm, c = 29. , cm, d = 28.2 cm,

r = 31.5 cm, $\beta = \frac{3\pi}{2}$ rad, $\theta_1 = \frac{14\pi}{15}$ rad, n = 90 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.205884 kg.

Masowy moment bezw. ogniwa 2 I = 0.00114204 kgm².

P= 3928.2 N, Mk = 34.5 Nm

Zestaw nr: 23

$\omega_1 = 4\pi$ rad/s

a = 31 , cm, b = 39.0167 , cm, c = 43.3333 , cm, d = 41.4833 cm,

r = 46.5 cm, $\beta = \frac{7\pi}{4}$ rad, $\theta_1 = \frac{16\pi}{15}$ rad, n = 120 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.311353 kg.

Masowy moment bezw. ogniwa 2 I = 0.00394977 kgm².

P= 3101.01 N, Mk = 36. Nm

Zestaw nr: 24

$\omega_1 = 5\pi$ rad/s

a = 41 , cm, b = 52.6667 , cm, c = 57.6667 , cm, d = 54.3333 cm,

$$r = 61.5 \text{ cm}, \beta = 0 \text{ rad}, \theta_1 = \frac{6\pi}{5} \text{ rad}, n = 150 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.42028 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.00971469 \text{ kgm}^2.$$

$$P = 2280.54 \text{ N}, M_k = 37.5 \text{ Nm}$$

Zestaw nr: 25

$$\omega_1 = 6\pi \text{ rad/s}$$

$$a = 51 \text{ cm}, b = 66.75 \text{ cm}, c = 72 \text{ cm}, d = 66.75 \text{ cm},$$

$$r = 76.5 \text{ cm}, \beta = \frac{\pi}{4} \text{ rad}, \theta_1 = \frac{4\pi}{3} \text{ rad}, n = 180 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.532665 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0197777 \text{ kgm}^2.$$

$$P = 63.3975 \text{ N}, M_k = 1.5 \text{ Nm}$$

Zestaw nr: 26

$$\omega_1 = 7\pi \text{ rad/s}$$

$$a = 61 \text{ cm}, b = 81.2667 \text{ cm}, c = 86.3333 \text{ cm}, d = 78.7333 \text{ cm},$$

$$r = 91.5 \text{ cm}, \beta = \frac{\pi}{2} \text{ rad}, \theta_1 = \frac{22\pi}{15} \text{ rad}, n = 210 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.648508 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.035691 \text{ kgm}^2.$$

$$P = 101.096 \text{ N}, M_k = 3 \text{ Nm}$$

Zestaw nr: 27

$$\omega_1 = 8\pi \text{ rad/s}$$

$$a = 71 \text{ cm}, b = 96.2167 \text{ cm}, c = 100.667 \text{ cm}, d = 90.2833 \text{ cm},$$

$$r = 106.5 \text{ cm}, \beta = \frac{3\pi}{4} \text{ rad}, \theta_1 = \frac{8\pi}{5} \text{ rad}, n = 240 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.767809 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0592342 \text{ kgm}^2.$$

$$P = 164.683 \text{ N}, M_k = 4.5 \text{ Nm}$$

Zestaw nr: 28

$$\omega_1 = 9\pi \text{ rad/s}$$

$$a = 81 \text{ cm}, b = 105.3 \text{ cm}, c = 108 \text{ cm}, d = 97.2 \text{ cm},$$

$$r = 121.5 \text{ cm}, \beta = \pi \text{ rad}, \theta_1 = \frac{26\pi}{15} \text{ rad}, n = 270 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.840294 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0776438 \text{ kgm}^2.$$

$$P = 302.742 \text{ N}, M_k = 6 \text{ Nm}$$

Zestaw nr: 29

$$\omega_1 = 10\pi \text{ rad/s}$$

$$a = 91 \text{ cm}, b = 120.767 \text{ cm}, c = 122.333 \text{ cm}, d = 108.233 \text{ cm},$$

$$r = 136.5 \text{ cm}, \beta = \frac{5\pi}{4} \text{ rad}, \theta_1 = \frac{28\pi}{15} \text{ rad}, n = 300 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.963718 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.117129 \text{ kgm}^2.$$

$$P = 546.632 \text{ N}, M_k = 7.5 \text{ Nm}$$

Zestaw nr: 30

$$\omega_1 = \pi \text{ rad/s}$$

$$a = 1 \text{ cm}, b = 2.16667 \text{ cm}, c = 3.33333 \text{ cm}, d = 3.33333 \text{ cm},$$

$$r = 1.5 \text{ cm}, \beta = \frac{3\pi}{2} \text{ rad}, \theta_1 = 0 \text{ rad}, n = 30 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.01729 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 6.76391 \times 10^{-7} \text{ kgm}^2.$$

$$P = 900 \text{ N}, M_k = 9 \text{ Nm}$$

Zestaw nr: 31

$$\omega_1 = 2\pi \text{ rad/s}$$

$$a = 11 \text{ , cm, } b = 14.6667 \text{ , cm, } c = 17.6667 \text{ , cm, } d = 17.3333 \text{ cm,}$$

$$r = 16.5 \text{ cm, } \beta = \frac{7\pi}{4} \text{ rad, } \theta_1 = \frac{2\pi}{15} \text{ rad, } n = 60 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.11704 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.000209805 \text{ kgm}^2.$$

$$P = 1334.72 \text{ N, } M_k = 10.5 \text{ Nm}$$

Zestaw nr: 32

$$\omega_1 = 3\pi \text{ rad/s}$$

$$a = 21 \text{ , cm, } b = 27.6 \text{ , cm, } c = 32. \text{ , cm, } d = 30.9 \text{ cm,}$$

$$r = 31.5 \text{ cm, } \beta = 0 \text{ rad, } \theta_1 = \frac{4\pi}{15} \text{ rad, } n = 90 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.220248 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.00139813 \text{ kgm}^2.$$

$$P = 1794.52 \text{ N, } M_k = 12. \text{ Nm}$$

Zestaw nr: 33

$$\omega_1 = 4\pi \text{ rad/s}$$

$$a = 31 \text{ , cm, } b = 40.9667 \text{ , cm, } c = 46.3333 \text{ , cm, } d = 44.0333 \text{ cm,}$$

$$r = 46.5 \text{ cm, } \beta = \frac{\pi}{4} \text{ rad, } \theta_1 = \frac{2\pi}{5} \text{ rad, } n = 120 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.326914 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.00457208 \text{ kgm}^2.$$

$$P = 2205.95 \text{ N, } M_k = 13.5 \text{ Nm}$$

Zestaw nr: 34

$$\omega_1 = 5\pi \text{ rad/s}$$

$$a = 41 \text{ , cm, } b = 54.7667 \text{ , cm, } c = 60.6667 \text{ , cm, } d = 56.7333 \text{ cm,}$$

$$r = 61.5 \text{ cm, } \beta = \frac{\pi}{2} \text{ rad, } \theta_1 = \frac{8\pi}{15} \text{ rad, } n = 150 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.437038 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0109237 \text{ kgm}^2.$$

$$P = 2494.52 \text{ N, } M_k = 15. \text{ Nm}$$

Zestaw nr: 35

$$\omega_1 = 6\pi \text{ rad/s}$$

$$a = 51 \text{ , cm, } b = 63.75 \text{ , cm, } c = 68. \text{ , cm, } d = 63.75 \text{ cm,}$$

$$r = 76.5 \text{ cm, } \beta = \frac{3\pi}{4} \text{ rad, } \theta_1 = \frac{2\pi}{3} \text{ rad, } n = 180 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.508725 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0172291 \text{ kgm}^2.$$

$$P = 2602.63 \text{ N, } M_k = 16.5 \text{ Nm}$$

Zestaw nr: 36

$$\omega_1 = 7\pi \text{ rad/s}$$

$$a = 61 \text{ , cm, } b = 78.0667 \text{ , cm, } c = 82.3333 \text{ , cm, } d = 75.9333 \text{ cm,}$$

$$r = 91.5 \text{ cm, } \beta = \pi \text{ rad, } \theta_1 = \frac{4\pi}{5} \text{ rad, } n = 210 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.622972 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0316387 \text{ kgm}^2.$$

$$P = 2505.34 \text{ N, } M_k = 18. \text{ Nm}$$

Zestaw nr: 37

$$\omega_1 = 8\pi \text{ rad/s}$$

$$a = 71 \text{ , cm, } b = 92.8167 \text{ , cm, } c = 96.6667 \text{ , cm, } d = 87.6833 \text{ cm,}$$

$$r = 106.5 \text{ cm, } \beta = \frac{5\pi}{4} \text{ rad, } \theta_1 = \frac{14\pi}{15} \text{ rad, } n = 240 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.740677 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.053174 \text{ kgm}^2.$$

$$P = 2220.29 \text{ N}, M_k = 19.5 \text{ Nm}$$

Zestaw nr: 38

$$\omega_1 = 9\pi \text{ rad/s}$$

$$a = 81 \text{ cm}, b = 108. \text{ cm}, c = 111. \text{ cm}, d = 99. \text{ cm},$$

$$r = 121.5 \text{ cm}, \beta = \frac{3\pi}{2} \text{ rad}, \theta_1 = \frac{16\pi}{15} \text{ rad}, n = 270 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.86184 \text{ kg}.$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0837708 \text{ kgm}^2.$$

$$P = 1808.92 \text{ N}, M_k = 21. \text{ Nm}$$

Zestaw nr: 39

$$\omega_1 = 10\pi \text{ rad/s}$$

$$a = 91 \text{ cm}, b = 123.617 \text{ cm}, c = 125.333 \text{ cm}, d = 109.883 \text{ cm},$$

$$r = 136.5 \text{ cm}, \beta = \frac{7\pi}{4} \text{ rad}, \theta_1 = \frac{6\pi}{5} \text{ rad}, n = 300 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.986461 \text{ kg}.$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.125618 \text{ kgm}^2.$$

$$P = 1368.32 \text{ N}, M_k = 22.5 \text{ Nm}$$

Zestaw nr: 40

$$\omega_1 = \pi \text{ rad/s}$$

$$a = 1 \text{ cm}, b = 3.66667 \text{ cm}, c = 6.33333 \text{ cm}, d = 6.33333 \text{ cm},$$

$$r = 1.5 \text{ cm}, \beta = 0 \text{ rad}, \theta_1 = \frac{4\pi}{3} \text{ rad}, n = 30 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.02926 \text{ kg}.$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 3.2782 \times 10^{-6} \text{ kgm}^2.$$

$$P = 1014.36 \text{ N}, M_k = 24. \text{ Nm}$$

Zestaw nr: 41

$$\omega_1 = 2\pi \text{ rad/s}$$

$$a = 11 \text{ cm}, b = 16.3167 \text{ cm}, c = 20.6667 \text{ cm}, d = 20.1833 \text{ cm},$$

$$r = 16.5 \text{ cm}, \beta = \frac{\pi}{4} \text{ rad}, \theta_1 = \frac{22\pi}{15} \text{ rad}, n = 60 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.130207 \text{ kg}.$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.000288879 \text{ kgm}^2.$$

$$P = 859.313 \text{ N}, M_k = 25.5 \text{ Nm}$$

Zestaw nr: 42

$$\omega_1 = 3\pi \text{ rad/s}$$

$$a = 21 \text{ cm}, b = 25.2 \text{ cm}, c = 28. \text{ cm}, d = 27.3 \text{ cm},$$

$$r = 31.5 \text{ cm}, \beta = \frac{\pi}{2} \text{ rad}, \theta_1 = \frac{8\pi}{5} \text{ rad}, n = 90 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.201096 \text{ kg}.$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0010642 \text{ kgm}^2.$$

$$P = 988.098 \text{ N}, M_k = 27. \text{ Nm}$$

Zestaw nr: 43

$$\omega_1 = 4\pi \text{ rad/s}$$

$$a = 31 \text{ cm}, b = 38.3667 \text{ cm}, c = 42.3333 \text{ cm}, d = 40.6333 \text{ cm},$$

$$r = 46.5 \text{ cm}, \beta = \frac{3\pi}{4} \text{ rad}, \theta_1 = \frac{26\pi}{15} \text{ rad}, n = 120 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.306166 \text{ kg}.$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.00375564 \text{ kgm}^2.$$

$$P = 1438.02 \text{ N}, M_k = 28.5 \text{ Nm}$$

Zestaw nr: 44

$$\omega_1 = 5\pi \text{ rad/s}$$

$$a = 41 \text{ cm}, b = 51.9667 \text{ cm}, c = 56.6667 \text{ cm}, d = 53.5333 \text{ cm},$$

$$r = 61.5 \text{ cm}, \beta = \pi \text{ rad}, \theta_1 = \frac{28\pi}{15} \text{ rad}, n = 150 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.414694 kg.

Masowy moment bezw. ogniwa 2 I = 0.00933246 kgm².

P= 2186.53 N, Mk = 30. Nm

Zestaw nr: 45

$\omega_1 = 6\pi$ rad/s

a = 51 , cm, b = 66. , cm, c = 71. , cm, d = 66. cm,

r = 76.5 cm, $\beta = \frac{5\pi}{4}$ rad, $\theta_1 = 0$ rad, n = 180 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.52668 kg.

Masowy moment bezw. ogniwa 2 I = 0.0191185 kgm².

P= 3150. N, Mk = 31.5 Nm

Zestaw nr: 46

$\omega_1 = 7\pi$ rad/s

a = 61 , cm, b = 80.4667 , cm, c = 85.3333 , cm, d = 78.0333 cm,

r = 91.5 cm, $\beta = \frac{3\pi}{2}$ rad, $\theta_1 = \frac{2\pi}{15}$ rad, n = 210 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.642124 kg.

Masowy moment bezw. ogniwa 2 I = 0.0346473 kgm².

P= 4194.82 N, Mk = 33. Nm

Zestaw nr: 47

$\omega_1 = 8\pi$ rad/s

a = 71 , cm, b = 95.3667 , cm, c = 99.6667 , cm, d = 89.6333 cm,

r = 106.5 cm, $\beta = \frac{7\pi}{4}$ rad, $\theta_1 = \frac{4\pi}{15}$ rad, n = 240 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.761026 kg.

Masowy moment bezw. ogniwa 2 I = 0.0576782 kgm².

P= 5159.23 N, Mk = 34.5 Nm

Zestaw nr: 48

$\omega_1 = 9\pi$ rad/s

a = 81 , cm, b = 110.7 , cm, c = 114. , cm, d = 100.8 cm,

r = 121.5 cm, $\beta = 0$ rad, $\theta_1 = \frac{2\pi}{5}$ rad, n = 270 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.883386 kg.

Masowy moment bezw. ogniwa 2 I = 0.090212 kgm².

P= 5882.54 N, Mk = 36. Nm

Zestaw nr: 49

$\omega_1 = 10\pi$ rad/s

a = 91 , cm, b = 119.817 , cm, c = 121.333 , cm, d = 107.683 cm,

r = 136.5 cm, $\beta = \frac{\pi}{4}$ rad, $\theta_1 = \frac{8\pi}{15}$ rad, n = 300 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.956137 kg.

Masowy moment bezw. ogniwa 2 I = 0.114386 kgm².

P= 6236.3 N, Mk = 37.5 Nm

Zestaw nr: 50

$\omega_1 = \pi$ rad/s

a = 1 , cm, b = 1.66667 , cm, c = 2.33333 , cm, d = 2.33333 cm,

r = 1.5 cm, $\beta = \frac{\pi}{2}$ rad, $\theta_1 = \frac{2\pi}{3}$ rad, n = 30 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.0133 kg.

Masowy moment bezw. ogniwa 2 I = 3.0787×10^{-7} kgm².

P= 236.603 N, Mk = 1.5 Nm

Zestaw nr: 51

$\omega_1 = 2\pi$ rad/s

a = 11 , cm, b = 14.1167 , cm, c = 16.6667 , cm, d = 16.3833 cm,

$$r = 16.5 \text{ cm}, \beta = \frac{3\pi}{4} \text{ rad}, \theta_1 = \frac{4\pi}{5} \text{ rad}, n = 60 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.112651 kg.

Masowy moment bezw. ogniwa 2 I = 0.000187076 kgm².

P= 417.557 N, Mk = 3. Nm

Zestaw nr: 52

$$\omega_1 = 3\pi \text{ rad/s}$$

a = 21 , cm, b = 27. , cm, c = 31. , cm, d = 30. cm,

$$r = 31.5 \text{ cm}, \beta = \pi \text{ rad}, \theta_1 = \frac{14\pi}{15} \text{ rad}, n = 90 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.21546 kg.

Masowy moment bezw. ogniwa 2 I = 0.00130892 kgm².

P= 512.374 N, Mk = 4.5 Nm

Zestaw nr: 53

$$\omega_1 = 4\pi \text{ rad/s}$$

a = 31 , cm, b = 40.3167 , cm, c = 45.3333 , cm, d = 43.1833 cm,

$$r = 46.5 \text{ cm}, \beta = \frac{5\pi}{4} \text{ rad}, \theta_1 = \frac{16\pi}{15} \text{ rad}, n = 120 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.321727 kg.

Masowy moment bezw. ogniwa 2 I = 0.00435788 kgm².

P= 516.835 N, Mk = 6. Nm

Zestaw nr: 54

$$\omega_1 = 5\pi \text{ rad/s}$$

a = 41 , cm, b = 54.0667 , cm, c = 59.6667 , cm, d = 55.9333 cm,

$$r = 61.5 \text{ cm}, \beta = \frac{3\pi}{2} \text{ rad}, \theta_1 = \frac{6\pi}{5} \text{ rad}, n = 150 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.431452 kg.

Masowy moment bezw. ogniwa 2 I = 0.0105102 kgm².

P= 456.107 N, Mk = 7.5 Nm

Zestaw nr: 55

$$\omega_1 = 6\pi \text{ rad/s}$$

a = 51 , cm, b = 68.25 , cm, c = 74. , cm, d = 68.25 cm,

$$r = 76.5 \text{ cm}, \beta = \frac{7\pi}{4} \text{ rad}, \theta_1 = \frac{4\pi}{3} \text{ rad}, n = 180 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.544635 kg.

Masowy moment bezw. ogniwa 2 I = 0.0211412 kgm².

P= 380.385 N, Mk = 9. Nm

Zestaw nr: 56

$$\omega_1 = 7\pi \text{ rad/s}$$

a = 61 , cm, b = 77.2667 , cm, c = 81.3333 , cm, d = 75.2333 cm,

$$r = 91.5 \text{ cm}, \beta = 0 \text{ rad}, \theta_1 = \frac{22\pi}{15} \text{ rad}, n = 210 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.616588 kg.

Masowy moment bezw. ogniwa 2 I = 0.030676 kgm².

P= 353.835 N, Mk = 10.5 Nm

Zestaw nr: 57

$$\omega_1 = 8\pi \text{ rad/s}$$

a = 71 , cm, b = 91.9667 , cm, c = 95.6667 , cm, d = 87.0333 cm,

$$r = 106.5 \text{ cm}, \beta = \frac{\pi}{4} \text{ rad}, \theta_1 = \frac{8\pi}{5} \text{ rad}, n = 240 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.733894 kg.

Masowy moment bezw. ogniwa 2 I = 0.0517265 kgm².

P= 439.155 N, Mk = 12. Nm

Zestaw nr: 58

$$\omega_1 = 9\pi \text{ rad/s}$$

$a = 81$, cm, $b = 107.1$, cm, $c = 110.$, cm, $d = 98.4$ cm,
 $r = 121.5$ cm, $\beta = \frac{\pi}{2}$ rad, $\theta_1 = \frac{26\pi}{15}$ rad, $n = 270$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.854658 kg.

Masowy moment bezw. ogniwa 2 I = 0.081694 kgm².

P= 681.17 N, Mk = 13.5 Nm

Zestaw nr: 59

$\omega_1 = 10\pi$ rad/s

$a = 91$, cm, $b = 122.667$, cm, $c = 124.333$, cm, $d = 109.333$ cm,

$r = 136.5$ cm, $\beta = \frac{3\pi}{4}$ rad, $\theta_1 = \frac{28\pi}{15}$ rad, $n = 300$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.97888 kg.

Masowy moment bezw. ogniwa 2 I = 0.122744 kgm².

P= 1093.26 N, Mk = 15. Nm

Zestaw nr: 60

$\omega_1 = \pi$ rad/s

$a = 1$, cm, $b = 3.16667$, cm, $c = 5.33333$, cm, $d = 5.33333$ cm,

$r = 1.5$ cm, $\beta = \pi$ rad, $\theta_1 = 0$ rad, $n = 30$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.02527 kg.

Masowy moment bezw. ogniwa 2 I = 2.11168×10^{-6} kgm².

P= 1650. N, Mk = 16.5 Nm

Zestaw nr: 61

$\omega_1 = 2\pi$ rad/s

$a = 11$, cm, $b = 15.7667$, cm, $c = 19.6667$, cm, $d = 19.2333$ cm,

$r = 16.5$ cm, $\beta = \frac{5\pi}{4}$ rad, $\theta_1 = \frac{2\pi}{15}$ rad, $n = 60$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.125818 kg.

Masowy moment bezw. ogniwa 2 I = 0.00026064 kgm².

P= 2288.08 N, Mk = 18. Nm

Zestaw nr: 62

$\omega_1 = 3\pi$ rad/s

$a = 21$, cm, $b = 28.8$, cm, $c = 34.$, cm, $d = 32.7$ cm,

$r = 31.5$ cm, $\beta = \frac{3\pi}{2}$ rad, $\theta_1 = \frac{4\pi}{15}$ rad, $n = 90$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.229824 kg.

Masowy moment bezw. ogniwa 2 I = 0.00158854 kgm².

P= 2916.09 N, Mk = 19.5 Nm

Zestaw nr: 63

$\omega_1 = 4\pi$ rad/s

$a = 31$, cm, $b = 37.7167$, cm, $c = 41.3333$, cm, $d = 39.7833$ cm,

$r = 46.5$ cm, $\beta = \frac{7\pi}{4}$ rad, $\theta_1 = \frac{2\pi}{5}$ rad, $n = 120$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.300979 kg.

Masowy moment bezw. ogniwa 2 I = 0.00356797 kgm².

P= 3431.48 N, Mk = 21. Nm

Zestaw nr: 64

$\omega_1 = 5\pi$ rad/s

$a = 41$, cm, $b = 51.2667$, cm, $c = 55.6667$, cm, $d = 52.7333$ cm,

$r = 61.5$ cm, $\beta = 0$ rad, $\theta_1 = \frac{8\pi}{15}$ rad, $n = 150$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.409108 kg.

Masowy moment bezw. ogniwa 2 I = 0.00896039 kgm².

P= 3741.78 N, Mk = 22.5 Nm

Zestaw nr: 65

$$\omega_1 = 6\pi \text{ rad/s}$$

$$a = 51 \text{ , cm, } b = 65.25 \text{ , cm, } c = 70. \text{ , cm, } d = 65.25 \text{ cm,}$$

$$r = 76.5 \text{ cm, } \beta = \frac{\pi}{4} \text{ rad, } \theta_1 = \frac{2\pi}{3} \text{ rad, } n = 180 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.520695 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0184741 \text{ kgm}^2.$$

$$P = 3785.64 \text{ N, } M_k = 24. \text{ Nm}$$

Zestaw nr: 66

$$\omega_1 = 7\pi \text{ rad/s}$$

$$a = 61 \text{ , cm, } b = 79.6667 \text{ , cm, } c = 84.3333 \text{ , cm, } d = 77.3333 \text{ cm,}$$

$$r = 91.5 \text{ cm, } \beta = \frac{\pi}{2} \text{ rad, } \theta_1 = \frac{4\pi}{5} \text{ rad, } n = 210 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.63574 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0336242 \text{ kgm}^2.$$

$$P = 3549.23 \text{ N, } M_k = 25.5 \text{ Nm}$$

Zestaw nr: 67

$$\omega_1 = 8\pi \text{ rad/s}$$

$$a = 71 \text{ , cm, } b = 94.5167 \text{ , cm, } c = 98.6667 \text{ , cm, } d = 88.9833 \text{ cm,}$$

$$r = 106.5 \text{ cm, } \beta = \frac{3\pi}{4} \text{ rad, } \theta_1 = \frac{14\pi}{15} \text{ rad, } n = 240 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.754243 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0561496 \text{ kgm}^2.$$

$$P = 3074.24 \text{ N, } M_k = 27. \text{ Nm}$$

Zestaw nr: 68

$$\omega_1 = 9\pi \text{ rad/s}$$

$$a = 81 \text{ , cm, } b = 109.8 \text{ , cm, } c = 113. \text{ , cm, } d = 100.2 \text{ cm,}$$

$$r = 121.5 \text{ cm, } \beta = \pi \text{ rad, } \theta_1 = \frac{16\pi}{15} \text{ rad, } n = 270 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.876204 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0880296 \text{ kgm}^2.$$

$$P = 2454.97 \text{ N, } M_k = 28.5 \text{ Nm}$$

Zestaw nr: 69

$$\omega_1 = 10\pi \text{ rad/s}$$

$$a = 91 \text{ , cm, } b = 125.517 \text{ , cm, } c = 127.333 \text{ , cm, } d = 110.983 \text{ cm,}$$

$$r = 136.5 \text{ cm, } \beta = \frac{5\pi}{4} \text{ rad, } \theta_1 = \frac{6\pi}{5} \text{ rad, } n = 300 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 1.00162 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.1315 \text{ kgm}^2.$$

$$P = 1824.43 \text{ N, } M_k = 30. \text{ Nm}$$

Zestaw nr: 70

$$\omega_1 = \pi \text{ rad/s}$$

$$a = 1 \text{ , cm, } b = 1.16667 \text{ , cm, } c = 1.33333 \text{ , cm, } d = 1.33333 \text{ cm,}$$

$$r = 1.5 \text{ cm, } \beta = \frac{3\pi}{2} \text{ rad, } \theta_1 = \frac{4\pi}{3} \text{ rad, } n = 30 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.00931 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 1.056 \times 10^{-7} \text{ kgm}^2.$$

$$P = 1331.35 \text{ N, } M_k = 31.5 \text{ Nm}$$

Zestaw nr: 71

$$\omega_1 = 2\pi \text{ rad/s}$$

$$a = 11 \text{ , cm, } b = 13.5667 \text{ , cm, } c = 15.6667 \text{ , cm, } d = 15.4333 \text{ cm,}$$

$$r = 16.5 \text{ cm, } \beta = \frac{7\pi}{4} \text{ rad, } \theta_1 = \frac{22\pi}{15} \text{ rad, } n = 60 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.108262 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.000166051 \text{ kgm}^2.$$

$$P = 1112.05 \text{ N}, M_k = 33. \text{ Nm}$$

Zestaw nr: 72

$$\omega_1 = 3\pi \text{ rad/s}$$

$$a = 21 \text{ , cm}, b = 26.4 \text{ , cm}, c = 30. \text{ , cm}, d = 29.1 \text{ cm},$$

$$r = 31.5 \text{ cm}, \beta = 0 \text{ rad}, \theta_1 = \frac{8\pi}{5} \text{ rad}, n = 90 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.210672 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.00122358 \text{ kgm}^2.$$

$$P = 1262.57 \text{ N}, M_k = 34.5 \text{ Nm}$$

Zestaw nr: 73

$$\omega_1 = 4\pi \text{ rad/s}$$

$$a = 31 \text{ , cm}, b = 39.6667 \text{ , cm}, c = 44.3333 \text{ , cm}, d = 42.3333 \text{ cm},$$

$$r = 46.5 \text{ cm}, \beta = \frac{\pi}{4} \text{ rad}, \theta_1 = \frac{26\pi}{15} \text{ rad}, n = 120 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.31654 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.00415048 \text{ kgm}^2.$$

$$P = 1816.45 \text{ N}, M_k = 36. \text{ Nm}$$

Zestaw nr: 74

$$\omega_1 = 5\pi \text{ rad/s}$$

$$a = 41 \text{ , cm}, b = 53.3667 \text{ , cm}, c = 58.6667 \text{ , cm}, d = 55.1333 \text{ cm},$$

$$r = 61.5 \text{ cm}, \beta = \frac{\pi}{2} \text{ rad}, \theta_1 = \frac{28\pi}{15} \text{ rad}, n = 150 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.425866 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0101072 \text{ kgm}^2.$$

$$P = 2733.16 \text{ N}, M_k = 37.5 \text{ Nm}$$

Zestaw nr: 75

$$\omega_1 = 6\pi \text{ rad/s}$$

$$a = 51 \text{ , cm}, b = 67.5 \text{ , cm}, c = 73. \text{ , cm}, d = 67.5 \text{ cm},$$

$$r = 76.5 \text{ cm}, \beta = \frac{3\pi}{4} \text{ rad}, \theta_1 = 0 \text{ rad}, n = 180 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.53865 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0204519 \text{ kgm}^2.$$

$$P = 150. \text{ N}, M_k = 1.5 \text{ Nm}$$

Zestaw nr: 76

$$\omega_1 = 7\pi \text{ rad/s}$$

$$a = 61 \text{ , cm}, b = 82.0667 \text{ , cm}, c = 87.3333 \text{ , cm}, d = 79.4333 \text{ cm},$$

$$r = 91.5 \text{ cm}, \beta = \pi \text{ rad}, \theta_1 = \frac{2\pi}{15} \text{ rad}, n = 210 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.654892 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0367555 \text{ kgm}^2.$$

$$P = 381.347 \text{ N}, M_k = 3. \text{ Nm}$$

Zestaw nr: 77

$$\omega_1 = 8\pi \text{ rad/s}$$

$$a = 71 \text{ , cm}, b = 91.1167 \text{ , cm}, c = 94.6667 \text{ , cm}, d = 86.3833 \text{ cm},$$

$$r = 106.5 \text{ cm}, \beta = \frac{5\pi}{4} \text{ rad}, \theta_1 = \frac{4\pi}{15} \text{ rad}, n = 240 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.727111 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0503055 \text{ kgm}^2.$$

$$P = 672.943 \text{ N}, M_k = 4.5 \text{ Nm}$$

Zestaw nr: 78

$$\omega_1 = 9\pi \text{ rad/s}$$

$$a = 81 \text{ , cm}, b = 106.2 \text{ , cm}, c = 109. \text{ , cm}, d = 97.8 \text{ cm},$$

$$r = 121.5 \text{ cm}, \beta = \frac{3\pi}{2} \text{ rad}, \theta_1 = \frac{2\pi}{5} \text{ rad}, n = 270 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.847476 \text{ kg.}$$

Masowy moment bezw. ogniwa 2 I = 0.0796517 kgm².

P= 980.423 N, Mk = 6. Nm

Zestaw nr: 79

$\omega_1 = 10\pi$ rad/s

a = 91 , cm, b = 121.717 , cm, c = 123.333 , cm, d = 108.783 cm,

r = 136.5 cm, $\beta = \frac{7\pi}{4}$ rad, $\theta_1 = \frac{8\pi}{15}$ rad, n = 300 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.971299 kg.

Masowy moment bezw. ogniwa 2 I = 0.119915 kgm².

P= 1247.26 N, Mk = 7.5 Nm

Zestaw nr: 80

$\omega_1 = \pi$ rad/s

a = 1 , cm, b = 2.66667 , cm, c = 4.33333 , cm, d = 4.33333 cm,

r = 1.5 cm, $\beta = 0$ rad, $\theta_1 = \frac{2\pi}{3}$ rad, n = 30 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.02128 kg.

Masowy moment bezw. ogniwa 2 I = 1.26104 × 10⁻⁶ kgm².

P= 1419.62 N, Mk = 9. Nm

Zestaw nr: 81

$\omega_1 = 2\pi$ rad/s

a = 11 , cm, b = 15.2167 , cm, c = 18.6667 , cm, d = 18.2833 cm,

r = 16.5 cm, $\beta = \frac{\pi}{4}$ rad, $\theta_1 = \frac{4\pi}{5}$ rad, n = 60 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.121429 kg.

Masowy moment bezw. ogniwa 2 I = 0.000234304 kgm².

P= 1461.45 N, Mk = 10.5 Nm

Zestaw nr: 82

$\omega_1 = 3\pi$ rad/s

a = 21 , cm, b = 28.2 , cm, c = 33. , cm, d = 31.8 cm,

r = 31.5 cm, $\beta = \frac{\pi}{2}$ rad, $\theta_1 = \frac{14\pi}{15}$ rad, n = 90 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.225036 kg.

Masowy moment bezw. ogniwa 2 I = 0.00149131 kgm².

P= 1366.33 N, Mk = 12. Nm

Zestaw nr: 83

$\omega_1 = 4\pi$ rad/s

a = 31 , cm, b = 41.6167 , cm, c = 47.3333 , cm, d = 44.8833 cm,

r = 46.5 cm, $\beta = \frac{3\pi}{4}$ rad, $\theta_1 = \frac{16\pi}{15}$ rad, n = 120 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.332101 kg.

Masowy moment bezw. ogniwa 2 I = 0.00479318 kgm².

P= 1162.88 N, Mk = 13.5 Nm

Zestaw nr: 84

$\omega_1 = 5\pi$ rad/s

a = 41 , cm, b = 50.5667 , cm, c = 54.6667 , cm, d = 51.9333 cm,

r = 61.5 cm, $\beta = \pi$ rad, $\theta_1 = \frac{6\pi}{5}$ rad, n = 150 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.403522 kg.

Masowy moment bezw. ogniwa 2 I = 0.00859834 kgm².

P= 912.215 N, Mk = 15. Nm

Zestaw nr: 85

$\omega_1 = 6\pi$ rad/s

a = 51 , cm, b = 64.5 , cm, c = 69. , cm, d = 64.5 cm,

r = 76.5 cm, $\beta = \frac{5\pi}{4}$ rad, $\theta_1 = \frac{4\pi}{3}$ rad, n = 180 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.51471 kg.

Masowy moment bezw. ogniwa 2 I = 0.0178444 kgm².

P= 697.372 N, Mk = 16.5 Nm

Zestaw nr: 86

$\omega_1 = 7\pi$ rad/s

a = 61 , cm, b = 78.8667 , cm, c = 83.3333 , cm, d = 76.6333 cm,

r = 91.5 cm, $\beta = \frac{3\pi}{2}$ rad, $\theta_1 = \frac{22\pi}{15}$ rad, n = 210 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.629356 kg.

Masowy moment bezw. ogniwa 2 I = 0.0326214 kgm².

P= 606.574 N, Mk = 18. Nm

Zestaw nr: 87

$\omega_1 = 8\pi$ rad/s

a = 71 , cm, b = 93.6667 , cm, c = 97.6667 , cm, d = 88.3333 cm,

r = 106.5 cm, $\beta = \frac{7\pi}{4}$ rad, $\theta_1 = \frac{8\pi}{5}$ rad, n = 240 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.74746 kg.

Masowy moment bezw. ogniwa 2 I = 0.0546483 kgm².

P= 713.627 N, Mk = 19.5 Nm

Zestaw nr: 88

$\omega_1 = 9\pi$ rad/s

a = 81 , cm, b = 108.9 , cm, c = 112. , cm, d = 99.6 cm,

r = 121.5 cm, $\beta = 0$ rad, $\theta_1 = \frac{26\pi}{15}$ rad, n = 270 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.869022 kg.

Masowy moment bezw. ogniwa 2 I = 0.0858826 kgm².

P= 1059.6 N, Mk = 21. Nm

Zestaw nr: 89

$\omega_1 = 10\pi$ rad/s

a = 91 , cm, b = 124.567 , cm, c = 126.333 , cm, d = 110.433 cm,

r = 136.5 cm, $\beta = \frac{\pi}{4}$ rad, $\theta_1 = \frac{28\pi}{15}$ rad, n = 300 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.994042 kg.

Masowy moment bezw. ogniwa 2 I = 0.128537 kgm².

P= 1639.9 N, Mk = 22.5 Nm

Zestaw nr: 90

$\omega_1 = \pi$ rad/s

a = 1 , cm, b = 4.16667 , cm, c = 7.33333 , cm, d = 7.33333 cm,

r = 1.5 cm, $\beta = \frac{\pi}{2}$ rad, $\theta_1 = 0$ rad, n = 30 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.03325 kg.

Masowy moment bezw. ogniwa 2 I = 4.81047×10^{-6} kgm².

P= 2400. N, Mk = 24. Nm

Zestaw nr: 91

$\omega_1 = 2\pi$ rad/s

a = 11 , cm, b = 13.0167 , cm, c = 14.6667 , cm, d = 14.4833 cm,

r = 16.5 cm, $\beta = \frac{3\pi}{4}$ rad, $\theta_1 = \frac{2\pi}{15}$ rad, n = 60 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.103873 kg.

Masowy moment bezw. ogniwa 2 I = 0.000146663 kgm².

P= 3241.45 N, Mk = 25.5 Nm

Zestaw nr: 92

$\omega_1 = 3\pi$ rad/s

a = 21 , cm, b = 25.8 , cm, c = 29. , cm, d = 28.2 cm,

$$r = 31.5 \text{ cm}, \beta = \pi \text{ rad}, \theta_1 = \frac{4\pi}{15} \text{ rad}, n = 90 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.205884 kg.

Masowy moment bezw. ogniwa 2 I = 0.00114204 kgm².

P= 4037.66 N, Mk = 27. Nm

Zestaw nr: 93

$$\omega_1 = 4\pi \text{ rad/s}$$

a = 31 , cm, b = 39.0167 , cm, c = 43.3333 , cm, d = 41.4833 cm,

$$r = 46.5 \text{ cm}, \beta = \frac{5\pi}{4} \text{ rad}, \theta_1 = \frac{2\pi}{5} \text{ rad}, n = 120 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.311353 kg.

Masowy moment bezw. ogniwa 2 I = 0.00394977 kgm².

P= 4657.01 N, Mk = 28.5 Nm

Zestaw nr: 94

$$\omega_1 = 5\pi \text{ rad/s}$$

a = 41 , cm, b = 52.6667 , cm, c = 57.6667 , cm, d = 54.3333 cm,

$$r = 61.5 \text{ cm}, \beta = \frac{3\pi}{2} \text{ rad}, \theta_1 = \frac{8\pi}{15} \text{ rad}, n = 150 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.42028 kg.

Masowy moment bezw. ogniwa 2 I = 0.00971469 kgm².

P= 4989.04 N, Mk = 30. Nm

Zestaw nr: 95

$$\omega_1 = 6\pi \text{ rad/s}$$

a = 51 , cm, b = 66.75 , cm, c = 72. , cm, d = 66.75 cm,

$$r = 76.5 \text{ cm}, \beta = \frac{7\pi}{4} \text{ rad}, \theta_1 = \frac{2\pi}{3} \text{ rad}, n = 180 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.532665 kg.

Masowy moment bezw. ogniwa 2 I = 0.0197777 kgm².

P= 4968.65 N, Mk = 31.5 Nm

Zestaw nr: 96

$$\omega_1 = 7\pi \text{ rad/s}$$

a = 61 , cm, b = 81.2667 , cm, c = 86.3333 , cm, d = 78.7333 cm,

$$r = 91.5 \text{ cm}, \beta = 0 \text{ rad}, \theta_1 = \frac{4\pi}{5} \text{ rad}, n = 210 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.648508 kg.

Masowy moment bezw. ogniwa 2 I = 0.035691 kgm².

P= 4593.13 N, Mk = 33. Nm

Zestaw nr: 97

$$\omega_1 = 8\pi \text{ rad/s}$$

a = 71 , cm, b = 96.2167 , cm, c = 100.667 , cm, d = 90.2833 cm,

$$r = 106.5 \text{ cm}, \beta = \frac{\pi}{4} \text{ rad}, \theta_1 = \frac{14\pi}{15} \text{ rad}, n = 240 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.767809 kg.

Masowy moment bezw. ogniwa 2 I = 0.0592342 kgm².

P= 3928.2 N, Mk = 34.5 Nm

Zestaw nr: 98

$$\omega_1 = 9\pi \text{ rad/s}$$

a = 81 , cm, b = 105.3 , cm, c = 108. , cm, d = 97.2 cm,

$$r = 121.5 \text{ cm}, \beta = \frac{\pi}{2} \text{ rad}, \theta_1 = \frac{16\pi}{15} \text{ rad}, n = 270 \text{ obr/min}, \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.840294 kg.

Masowy moment bezw. ogniwa 2 I = 0.0776438 kgm².

P= 3101.01 N, Mk = 36. Nm

Zestaw nr: 99

$$\omega_1 = 10\pi \text{ rad/s}$$

$a = 91$, cm, $b = 120.767$, cm, $c = 122.333$, cm, $d = 108.233$ cm,
 $r = 136.5$ cm, $\beta = \frac{3\pi}{4}$ rad, $\theta_1 = \frac{6\pi}{5}$ rad, $n = 300$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.963718 kg.

Masowy moment bezw. ogniwa 2 I = 0.117129 kgm².

P= 2280.54 N, Mk = 37.5 Nm

Zestaw nr: 100

$\omega_1 = \pi$ rad/s

$a = 1$, cm, $b = 2.16667$, cm, $c = 3.33333$, cm, $d = 3.33333$ cm,

$r = 1.5$ cm, $\beta = \pi$ rad, $\theta_1 = \frac{4\pi}{3}$ rad, $n = 30$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.01729 kg.

Masowy moment bezw. ogniwa 2 I = 6.76391×10^{-7} kgm².

P= 63.3975 N, Mk = 1.5 Nm

Zestaw nr: 101

$\omega_1 = 2\pi$ rad/s

$a = 11$, cm, $b = 14.6667$, cm, $c = 17.6667$, cm, $d = 17.3333$ cm,

$r = 16.5$ cm, $\beta = \frac{5\pi}{4}$ rad, $\theta_1 = \frac{22\pi}{15}$ rad, $n = 60$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.11704 kg.

Masowy moment bezw. ogniwa 2 I = 0.000209805 kgm².

P= 101.096 N, Mk = 3. Nm

Zestaw nr: 102

$\omega_1 = 3\pi$ rad/s

$a = 21$, cm, $b = 27.6$, cm, $c = 32.$, cm, $d = 30.9$ cm,

$r = 31.5$ cm, $\beta = \frac{3\pi}{2}$ rad, $\theta_1 = \frac{8\pi}{5}$ rad, $n = 90$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.220248 kg.

Masowy moment bezw. ogniwa 2 I = 0.00139813 kgm².

P= 164.683 N, Mk = 4.5 Nm

Zestaw nr: 103

$\omega_1 = 4\pi$ rad/s

$a = 31$, cm, $b = 40.9667$, cm, $c = 46.3333$, cm, $d = 44.0333$ cm,

$r = 46.5$ cm, $\beta = \frac{7\pi}{4}$ rad, $\theta_1 = \frac{26\pi}{15}$ rad, $n = 120$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.326914 kg.

Masowy moment bezw. ogniwa 2 I = 0.00457208 kgm².

P= 302.742 N, Mk = 6. Nm

Zestaw nr: 104

$\omega_1 = 5\pi$ rad/s

$a = 41$, cm, $b = 54.7667$, cm, $c = 60.6667$, cm, $d = 56.7333$ cm,

$r = 61.5$ cm, $\beta = 0$ rad, $\theta_1 = \frac{28\pi}{15}$ rad, $n = 150$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.437038 kg.

Masowy moment bezw. ogniwa 2 I = 0.0109237 kgm².

P= 546.632 N, Mk = 7.5 Nm

Zestaw nr: 105

$\omega_1 = 6\pi$ rad/s

$a = 51$, cm, $b = 63.75$, cm, $c = 68.$, cm, $d = 63.75$ cm,

$r = 76.5$ cm, $\beta = \frac{\pi}{4}$ rad, $\theta_1 = 0$ rad, $n = 180$ obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.508725 kg.

Masowy moment bezw. ogniwa 2 I = 0.0172291 kgm².

P= 900. N, Mk = 9. Nm

Zestaw nr: 106

$$\omega_1 = 7\pi \text{ rad/s}$$

$$a = 61 \text{ , cm, } b = 78.0667 \text{ , cm, } c = 82.3333 \text{ , cm, } d = 75.9333 \text{ cm,}$$

$$r = 91.5 \text{ cm, } \beta = \frac{\pi}{2} \text{ rad, } \theta_1 = \frac{2\pi}{15} \text{ rad, } n = 210 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.622972 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0316387 \text{ kgm}^2.$$

$$P = 1334.72 \text{ N, } M_k = 10.5 \text{ Nm}$$

Zestaw nr: 107

$$\omega_1 = 8\pi \text{ rad/s}$$

$$a = 71 \text{ , cm, } b = 92.8167 \text{ , cm, } c = 96.6667 \text{ , cm, } d = 87.6833 \text{ cm,}$$

$$r = 106.5 \text{ cm, } \beta = \frac{3\pi}{4} \text{ rad, } \theta_1 = \frac{4\pi}{15} \text{ rad, } n = 240 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.740677 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.053174 \text{ kgm}^2.$$

$$P = 1794.52 \text{ N, } M_k = 12. \text{ Nm}$$

Zestaw nr: 108

$$\omega_1 = 9\pi \text{ rad/s}$$

$$a = 81 \text{ , cm, } b = 108. \text{ , cm, } c = 111. \text{ , cm, } d = 99. \text{ cm,}$$

$$r = 121.5 \text{ cm, } \beta = \pi \text{ rad, } \theta_1 = \frac{2\pi}{5} \text{ rad, } n = 270 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.86184 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0837708 \text{ kgm}^2.$$

$$P = 2205.95 \text{ N, } M_k = 13.5 \text{ Nm}$$

Zestaw nr: 109

$$\omega_1 = 10\pi \text{ rad/s}$$

$$a = 91 \text{ , cm, } b = 123.617 \text{ , cm, } c = 125.333 \text{ , cm, } d = 109.883 \text{ cm,}$$

$$r = 136.5 \text{ cm, } \beta = \frac{5\pi}{4} \text{ rad, } \theta_1 = \frac{8\pi}{15} \text{ rad, } n = 300 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.986461 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.125618 \text{ kgm}^2.$$

$$P = 2494.52 \text{ N, } M_k = 15. \text{ Nm}$$

Zestaw nr: 110

$$\omega_1 = \pi \text{ rad/s}$$

$$a = 1 \text{ , cm, } b = 3.66667 \text{ , cm, } c = 6.33333 \text{ , cm, } d = 6.33333 \text{ cm,}$$

$$r = 1.5 \text{ cm, } \beta = \frac{3\pi}{2} \text{ rad, } \theta_1 = \frac{2\pi}{3} \text{ rad, } n = 30 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.02926 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 3.2782 \times 10^{-6} \text{ kgm}^2.$$

$$P = 2602.63 \text{ N, } M_k = 16.5 \text{ Nm}$$

Zestaw nr: 111

$$\omega_1 = 2\pi \text{ rad/s}$$

$$a = 11 \text{ , cm, } b = 16.3167 \text{ , cm, } c = 20.6667 \text{ , cm, } d = 20.1833 \text{ cm,}$$

$$r = 16.5 \text{ cm, } \beta = \frac{7\pi}{4} \text{ rad, } \theta_1 = \frac{4\pi}{5} \text{ rad, } n = 60 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.130207 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.000288879 \text{ kgm}^2.$$

$$P = 2505.34 \text{ N, } M_k = 18. \text{ Nm}$$

Zestaw nr: 112

$$\omega_1 = 3\pi \text{ rad/s}$$

$$a = 21 \text{ , cm, } b = 25.2 \text{ , cm, } c = 28. \text{ , cm, } d = 27.3 \text{ cm,}$$

$$r = 31.5 \text{ cm, } \beta = 0 \text{ rad, } \theta_1 = \frac{14\pi}{15} \text{ rad, } n = 90 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 m} = 0.201096 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 I} = 0.0010642 \text{ kgm}^2.$$

$$P = 2220.29 \text{ N, } M_k = 19.5 \text{ Nm}$$

Zestaw nr: 113

$$\omega_1 = 4\pi \text{ rad/s}$$

$$a = 31 \text{ , cm, } b = 38.3667 \text{ , cm, } c = 42.3333 \text{ , cm, } d = 40.6333 \text{ cm,}$$

$$r = 46.5 \text{ cm, } \beta = \frac{\pi}{4} \text{ rad, } \theta_1 = \frac{16\pi}{15} \text{ rad, } n = 120 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.306166 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.00375564 \text{ kgm}^2.$$

$$P = 1808.92 \text{ N, } M_k = 21. \text{ Nm}$$

Zestaw nr: 114

$$\omega_1 = 5\pi \text{ rad/s}$$

$$a = 41 \text{ , cm, } b = 51.9667 \text{ , cm, } c = 56.6667 \text{ , cm, } d = 53.5333 \text{ cm,}$$

$$r = 61.5 \text{ cm, } \beta = \frac{\pi}{2} \text{ rad, } \theta_1 = \frac{6\pi}{5} \text{ rad, } n = 150 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.414694 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.00933246 \text{ kgm}^2.$$

$$P = 1368.32 \text{ N, } M_k = 22.5 \text{ Nm}$$

Zestaw nr: 115

$$\omega_1 = 6\pi \text{ rad/s}$$

$$a = 51 \text{ , cm, } b = 66. \text{ , cm, } c = 71. \text{ , cm, } d = 66. \text{ cm,}$$

$$r = 76.5 \text{ cm, } \beta = \frac{3\pi}{4} \text{ rad, } \theta_1 = \frac{4\pi}{3} \text{ rad, } n = 180 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.52668 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0191185 \text{ kgm}^2.$$

$$P = 1014.36 \text{ N, } M_k = 24. \text{ Nm}$$

Zestaw nr: 116

$$\omega_1 = 7\pi \text{ rad/s}$$

$$a = 61 \text{ , cm, } b = 80.4667 \text{ , cm, } c = 85.3333 \text{ , cm, } d = 78.0333 \text{ cm,}$$

$$r = 91.5 \text{ cm, } \beta = \pi \text{ rad, } \theta_1 = \frac{22\pi}{15} \text{ rad, } n = 210 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.642124 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0346473 \text{ kgm}^2.$$

$$P = 859.313 \text{ N, } M_k = 25.5 \text{ Nm}$$

Zestaw nr: 117

$$\omega_1 = 8\pi \text{ rad/s}$$

$$a = 71 \text{ , cm, } b = 95.3667 \text{ , cm, } c = 99.6667 \text{ , cm, } d = 89.6333 \text{ cm,}$$

$$r = 106.5 \text{ cm, } \beta = \frac{5\pi}{4} \text{ rad, } \theta_1 = \frac{8\pi}{5} \text{ rad, } n = 240 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.761026 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.0576782 \text{ kgm}^2.$$

$$P = 988.098 \text{ N, } M_k = 27. \text{ Nm}$$

Zestaw nr: 118

$$\omega_1 = 9\pi \text{ rad/s}$$

$$a = 81 \text{ , cm, } b = 110.7 \text{ , cm, } c = 114. \text{ , cm, } d = 100.8 \text{ cm,}$$

$$r = 121.5 \text{ cm, } \beta = \frac{3\pi}{2} \text{ rad, } \theta_1 = \frac{26\pi}{15} \text{ rad, } n = 270 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

$$\text{Masa ogniwa 2 } m = 0.883386 \text{ kg.}$$

$$\text{Masowy moment bezw. ogniwa 2 } I = 0.090212 \text{ kgm}^2.$$

$$P = 1438.02 \text{ N, } M_k = 28.5 \text{ Nm}$$

Zestaw nr: 119

$$\omega_1 = 10\pi \text{ rad/s}$$

$$a = 91 \text{ , cm, } b = 119.817 \text{ , cm, } c = 121.333 \text{ , cm, } d = 107.683 \text{ cm,}$$

$$r = 136.5 \text{ cm, } \beta = \frac{7\pi}{4} \text{ rad, } \theta_1 = \frac{28\pi}{15} \text{ rad, } n = 300 \text{ obr/min, } \epsilon_1 = 0 \text{ rad/s}^2.$$

Masa ogniwa 2 m = 0.956137 kg.

Masowy moment bezw. ogniwa 2 I = 0.114386 kgm².

P= 2186.53 N, Mk = 30. Nm

Zestaw nr: 120

$\omega_1 = \pi$ rad/s

a = 1 , cm, b = 1.66667 , cm, c = 2.33333 , cm, d = 2.33333 cm,

r = 1.5 cm, $\beta = 0$ rad, $\theta_1 = 0$ rad, n = 30 obr/min, $\epsilon_1 = 0$ rad/s².

Masa ogniwa 2 m = 0.0133 kg.

Masowy moment bezw. ogniwa 2 I = 3.0787×10^{-7} kgm².

P= 3150. N, Mk = 31.5 Nm