

**PRIPREMA ZA PISMENI RAD
(KRUŽNO G.)**

$$1) \frac{\omega = 386 \text{ rad / s}}{f = ? \quad n = ? \text{ u } 2 \text{ min}}$$

$$2) \frac{d = 40 \text{ cm (promjer)}}{n = 360 \text{ okr / min}} \\ v = ?$$

$$3) \frac{r = 6,5 \text{ m}}{a_{CP} = 54 \text{ m / s}^2} \\ T = ?$$

$$4) \frac{\omega = 5,2 \text{ rad / s}}{a_{CP} = 4 \text{ m / s}^2} \\ d = ?$$

$$5) \frac{r = 1,5 \text{ m}}{\omega = 3,5 \text{ rad / s}} \\ a_{CP} = ?$$

$$6) \frac{v = 3,2 \text{ m / s}}{n = 6 / \text{min}} \\ r = ?$$

$$7) \frac{r = 4,8 \text{ m}}{f = 2 \text{ Hz}} \\ a_{CF} = ?$$

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Rješenja:

1) $f = 61,46 \text{ Hz}$ $n = 7375,8 / 2 \text{ min}$

2) $v = 7,54 \text{ m/s}$

3) $T = 2,18 \text{ s}$

4) $r = 0,15 \text{ m}$ $d = 2r = 0,3 \text{ m}$

5) $a_{CP} = 18,38 \text{ ms}^{-2}$

6) $r = 5,1 \text{ m}$

7) $a_{CF} = 757,22 \text{ ms}^{-2}$