

**Zadatak 15.** Izrazi u radijanima:

**1)**  $\arcsin 0.33$ ;

**2)**  $\arccos(-0.412)$ ;

**3)**  $\operatorname{arctg}(-3.14)$ ;

**4)**  $\operatorname{arcctg} 1.193$ .

*Rješenje.*

$$\mathbf{1)} \arcsin 0.33 = 19.26877549^\circ \cdot \frac{\pi}{180^\circ} = 19.26877549 \cdot \frac{3.1416}{180} = 0.3363 \text{ rad};$$

$$\mathbf{2)} \arccos(-0.412) = 114.3305337^\circ \cdot \frac{\pi}{180^\circ} = 114.3305337 \cdot \frac{3.1416}{180} = 1.9954 \text{ rad};$$

$$\mathbf{3)} \operatorname{arctg}(-3.14) = -72.3348138^\circ = -72.3348138^\circ + 180^\circ = 107.6651862^\circ \cdot \frac{\pi}{180^\circ} = 107.6651862 \cdot \frac{3.1416}{180} = 1.8791 \text{ rad};$$

$$\mathbf{4)} \operatorname{arcctg} 1.193 = \operatorname{arctg} \frac{1}{1.193} = \operatorname{arctg} 0.838222967 = 39.9705116^\circ \cdot \frac{\pi}{180^\circ} = 0.6976 \text{ rad}.$$