

**Zadatak 11.** Odredi arkus tangens iz zadane vrijednosti tagensa:

- |                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| 1) $\operatorname{tg} \alpha = 0.53554$ ;  | 2) $\operatorname{tg} \alpha = 1.25222$ ; |
| 3) $\operatorname{tg} \alpha = 0.09$ ;     | 4) $\operatorname{tg} \alpha = 3.89334$ ; |
| 5) $\operatorname{tg} \alpha = -1.35353$ ; | 6) $\operatorname{tg} \alpha = -10.987$ . |

- Rješenje.**
- 1)  $\alpha = \operatorname{arc} \operatorname{tg} 0.53554 = 28.17083048^\circ = 28^\circ 10' 15''$ ;
  - 2)  $\alpha = \operatorname{arc} \operatorname{tg} 1.25222 = 51.3837575^\circ = 51^\circ 23' 23''$ ;
  - 3)  $\alpha = \operatorname{arc} \operatorname{tg} 0.09 = 5.142764558^\circ = 5^\circ 8' 34''$ ;
  - 4)  $\alpha = \operatorname{arc} \operatorname{tg} 3.89334 = 75.5902723^\circ = 75^\circ 35' 42''$ ;
  - 5)  $\alpha = \operatorname{arc} \operatorname{tg} -1.35353 = -53.5426816^\circ = -53^\circ 32' 34''$ ;
  - 6)  $\alpha = \operatorname{arc} \operatorname{tg} -10.987 = -84.79945864^\circ = -84^\circ 47' 58''$ .