

GEODETSKI RAČUNI – VAJE

VAJA 4: SLEPI POLIGON

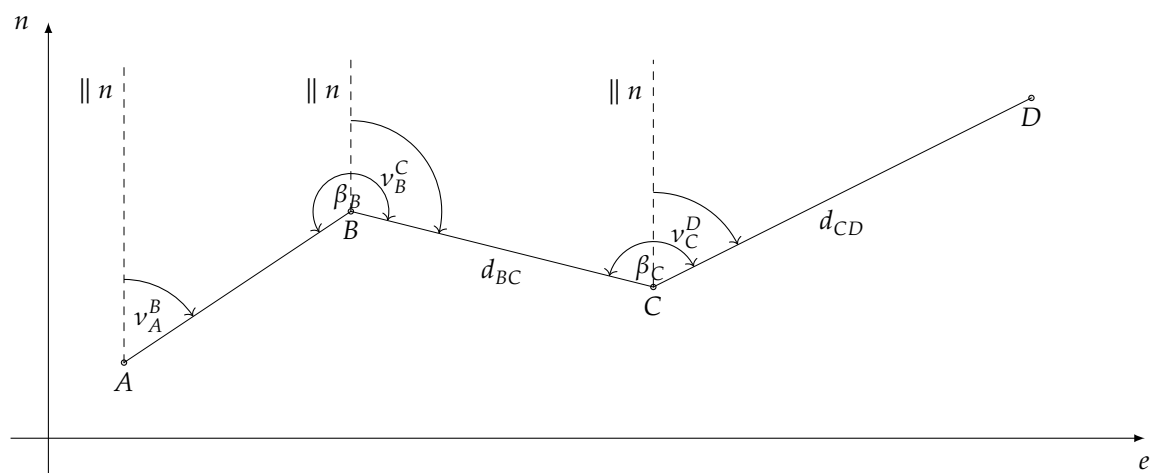
2025/2026

SLEPI POLIGON

dano: $A(e_A, n_A), B(e_B, n_B)$

merjeno: $\beta_B, d_{BC}, \beta_C, d_{CD}$

iščemo: $C(e_C, n_C), D(e_D, n_D)$



Izračun koordinat točke C:

- i) $v_B^C = v_A^B + \beta_B - 180^\circ$
- ii) $\Delta e_B^C = d_{BC} \sin v_B^C$ $\Delta n_B^C = d_{BC} \cos v_B^C$
- iii) $e_C = e_B + \Delta e_B^C$ $n_C = n_B + \Delta n_B^C$

Izračun koordinat točke D:

- i) $v_C^D = v_B^C + \beta_C - 180^\circ$
- ii) $\Delta e_C^D = d_{CD} \sin v_C^D$ $\Delta n_C^D = d_{CD} \cos v_C^D$
- iii) $e_D = e_C + \Delta e_C^D$ $n_D = n_C + \Delta n_C^D$

V primeru, da je vrednost izračunanega smernega kota:

- $v < 0^\circ \rightarrow v = v + 360^\circ$,
- $v > 360^\circ \rightarrow v = v - 360^\circ$.