

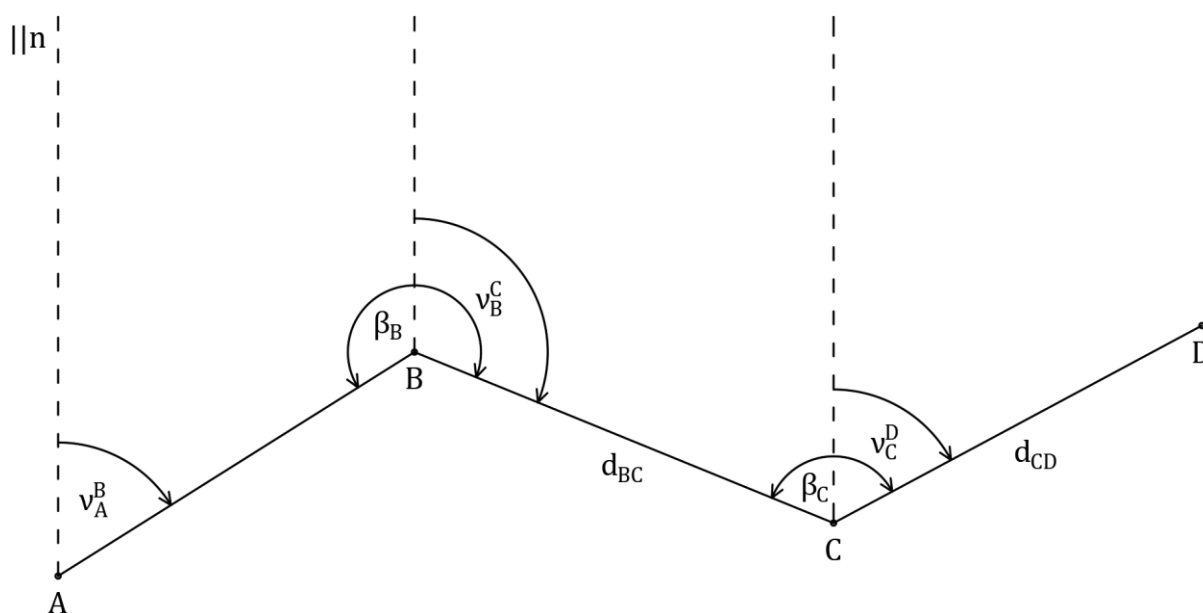
VAJA 4 – SLEPI POLIGON

2022/2023

SLEPI POLIGON

dano: $A(e_A, n_A), B(e_B, n_B), \beta_B, d_{BC}, \beta_C, d_{BD}$

iščemo: $C(e_C, n_C), D(e_D, n_D)$



Izračun koordinat točke C:

$$i) \quad \nu_B^C = \nu_A^B + \beta_B - 180^\circ$$

$$ii) \quad \Delta e_C = e_B + \Delta e_B^C = e_B + d_{BC} \sin \nu_B^C$$

$$\Delta n_C = n_B + \Delta n_B^C = n_B + d_{BC} \cos \nu_B^C$$

Izračun koordinat točke D:

$$iii) \quad \nu_C^D = \nu_B^C + \beta_C - 180^\circ$$

$$iv) \quad \Delta e_D = e_C + \Delta e_C^D = e_C + d_{CD} \sin \nu_C^D$$

$$\Delta n_D = n_C + \Delta n_C^D = n_C + d_{CD} \cos \nu_C^D$$

V primeru, da je vrednost izračunanega smernega kota:

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