

VAJA 1: Zvonjenje kabla

Uporabljen tip kabla:

Karakteristična impedanca kabla: $Z_k =$

Faktor hitrosti kabla: $v/c_0 =$

Odbojnosti pri različnih impedancah generatorja in bremena:

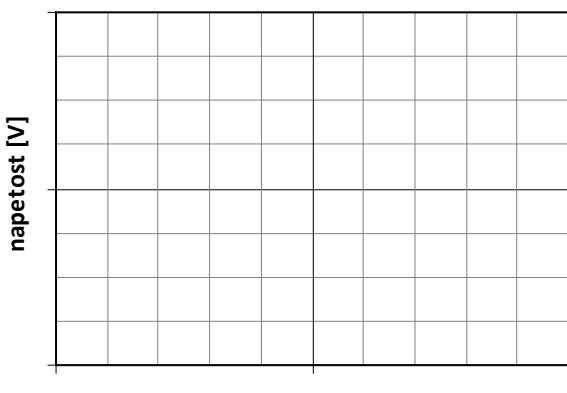
Z_g	Γ_g	Z_b	Γ_b
0		0	
50		50	
75		100	
100		∞	

Različni časovni potekи napetosti na generatorju in bremenu

Zg = K.S., Zb = O.S.

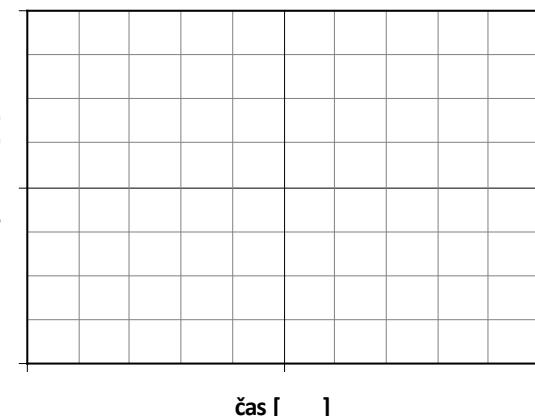


Zg = K.S., Zb = 50

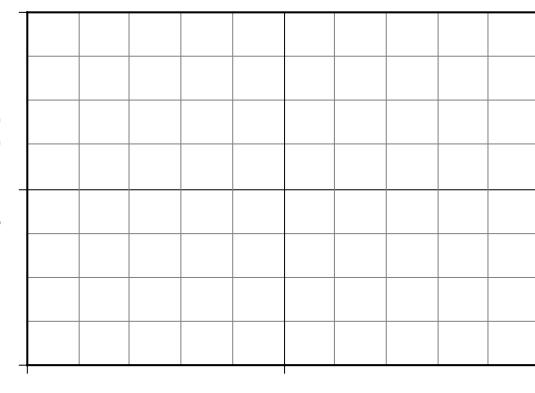


cas[]

Zg = K.S., Zb = 100

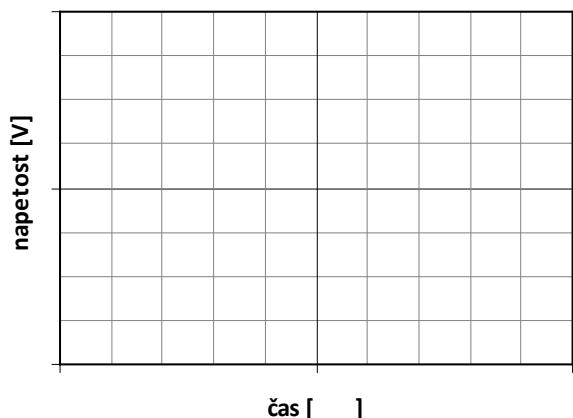


Zg = K.S., Zb = K.S.



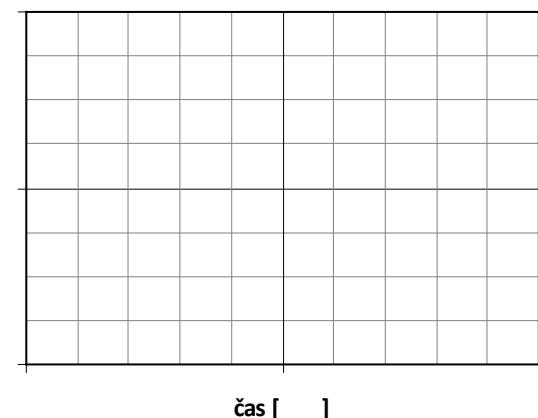
cas []

$$Zg = \underline{\hspace{2cm}}, Zb = \underline{\hspace{2cm}}$$



Γ_g	Γ_b	U_1	U_2	U_3	U_4	U_5	U_6	U_7	U_8

$$Zg = \underline{\hspace{2cm}}, Zb = \underline{\hspace{2cm}}$$



Γ_g	Γ_b	U_1	U_2	U_3	U_4	U_5	U_6	U_7	U_8

1. Izračunaj dolžino kabla.
2. Izračunaj izgube kabla.
3. Izračunaj odbojnost in impedanco "kratkega stika" generatorja.