

Perturbaciones Eléctricas por conducción y por acoplamiento. Norma UNE 26-438-94 (ISO-7637-1:1990)

Impulso de ensayo 1

Parámetros:

$$V_B = 12 \text{ V}$$

$$V_S = 0 \text{ a } -100 \text{ V}$$

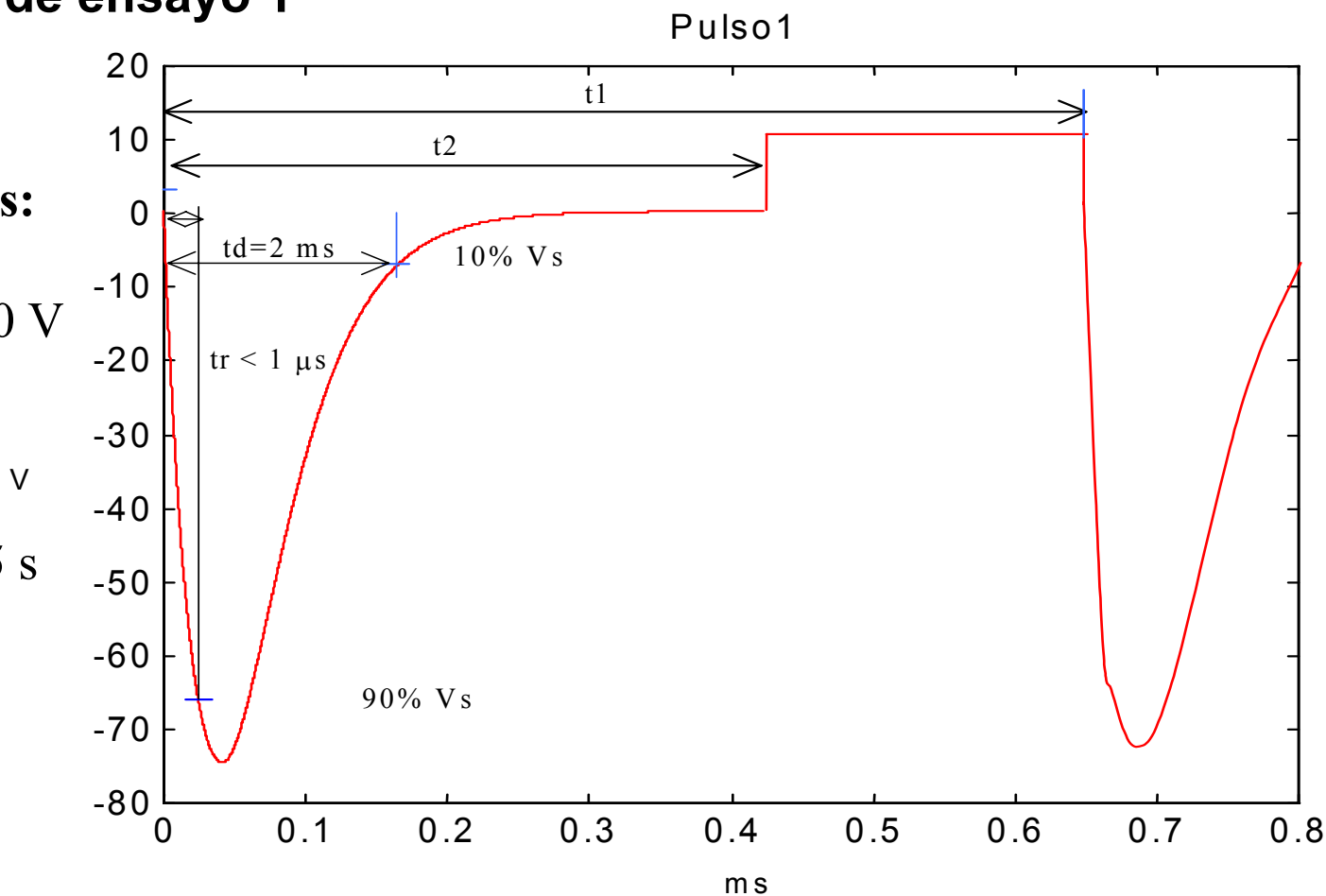
$$R_i = 10 \text{ } \Omega$$

$$t_d = 2 \text{ ms}$$

$$t_r = 1 \text{ } \mu\text{s}$$

$$t_1 = 0,5 \text{ s a } 5 \text{ s}$$

$$t_2 = 200 \text{ ms}$$



Impulso de ensayo 2

Parámetros:

$$V_B = 12 \text{ V}$$

$$V_S = 0 \text{ a } 100 \text{ V}$$

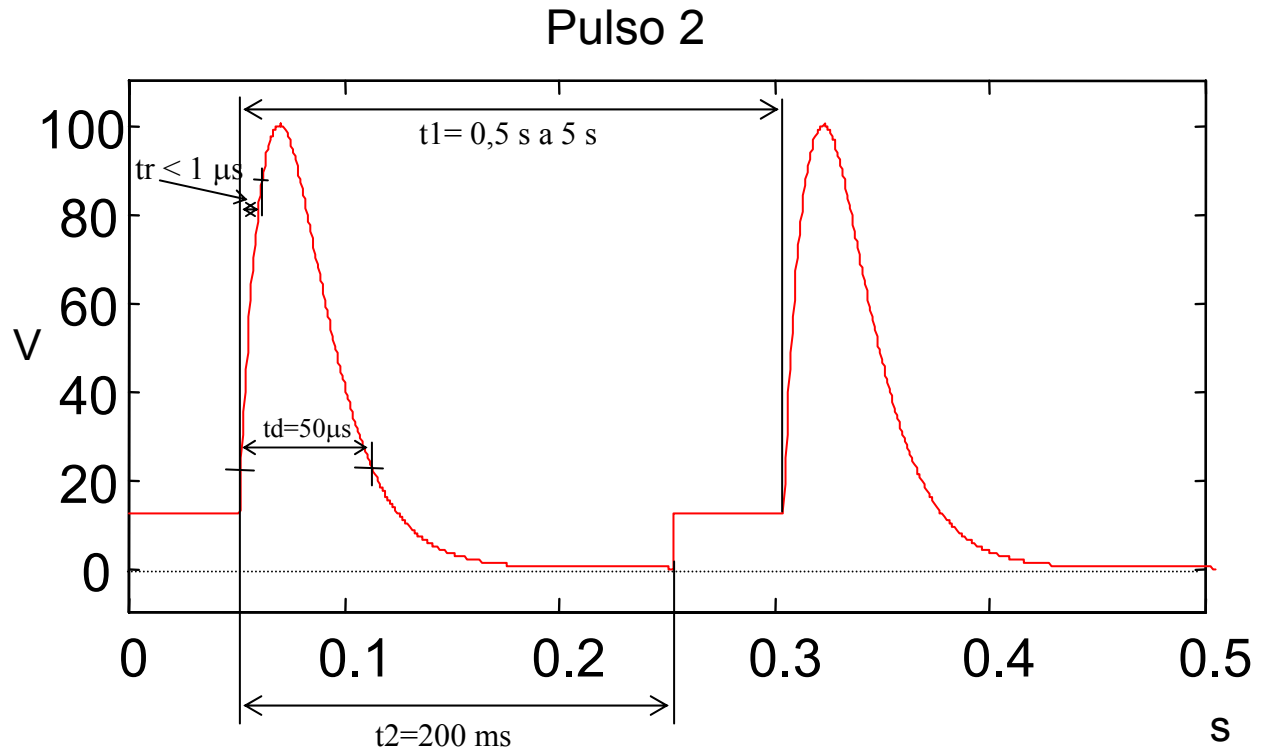
$$R_i = 10 \text{ } \Omega$$

$$t_d = 50 \text{ } \mu\text{s}$$

$$t_r < 1 \text{ } \mu\text{s}$$

$$t_1 = 0,5 \text{ s a } 5 \text{ s}$$

$$t_2 = 200 \text{ ms}$$



Impulso de ensayo 3a

Parámetros:

$$V_B = 12 \text{ V}$$

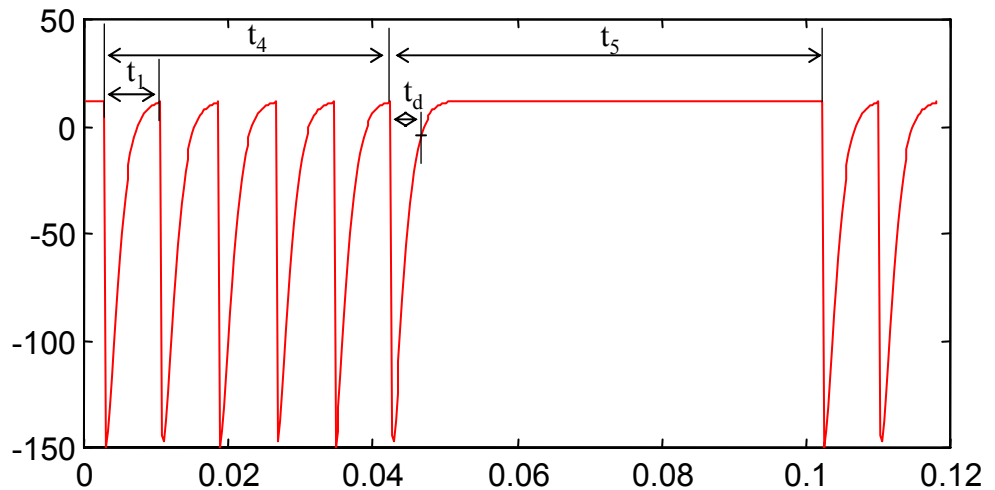
$$V_S = 0 \text{ a } -150 \text{ V}$$

$$R_i = 50 \ \Omega$$

$$t_d = 0,1 \ \mu \text{ s}$$

$$t_r < 5 \text{ ns}$$

$$t_1 = 100 \ \mu \text{ s}$$



Impulso de ensayo 3b

Parámetros:

$$V_B = 12 \text{ V}$$

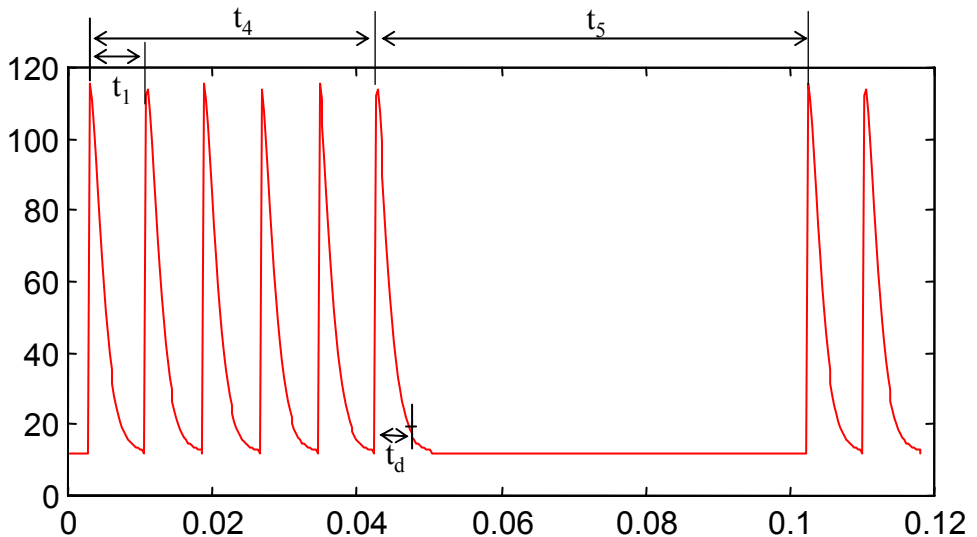
$$V_S = 0 \text{ a } +100 \text{ V}$$

$$R_i = 50 \ \Omega$$

$$t_d = 0,1 \ \mu \text{ s}$$

$$t_r < 5 \text{ ns}$$

$$t_1 = 100 \ \mu \text{ s}$$



Impulso de ensayo 4

Parámetros:

$$V_B = 12 \text{ V}$$

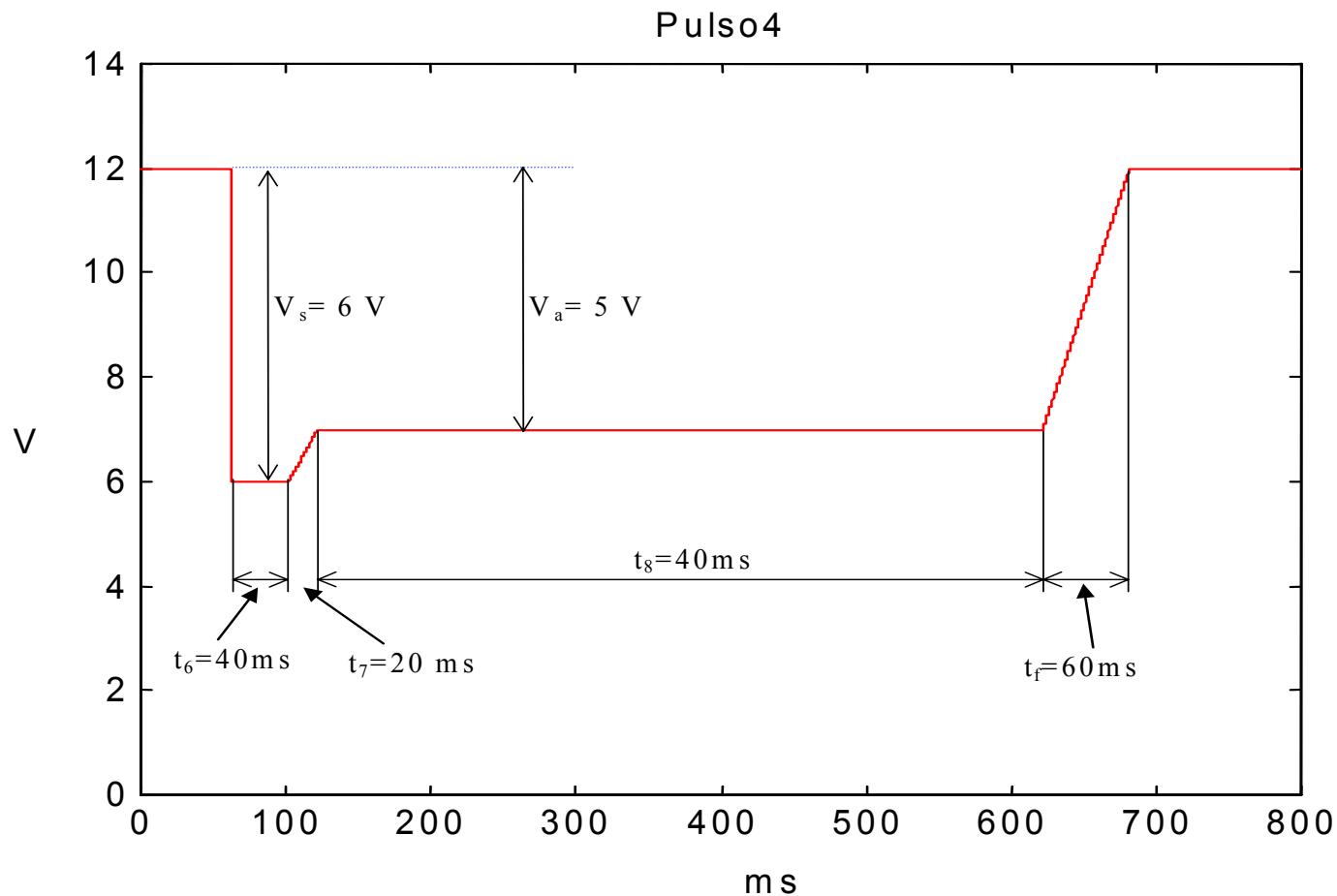
$$V_S = -6 \text{ V}$$

$$V_a = -5 \text{ V}$$

$$t_6 = 40 \text{ ms}$$

$$t_8 = 0,5 \text{ s}$$

$$t_f = 60 \text{ ms}$$



Impulso de ensayo 5

Parámetros:

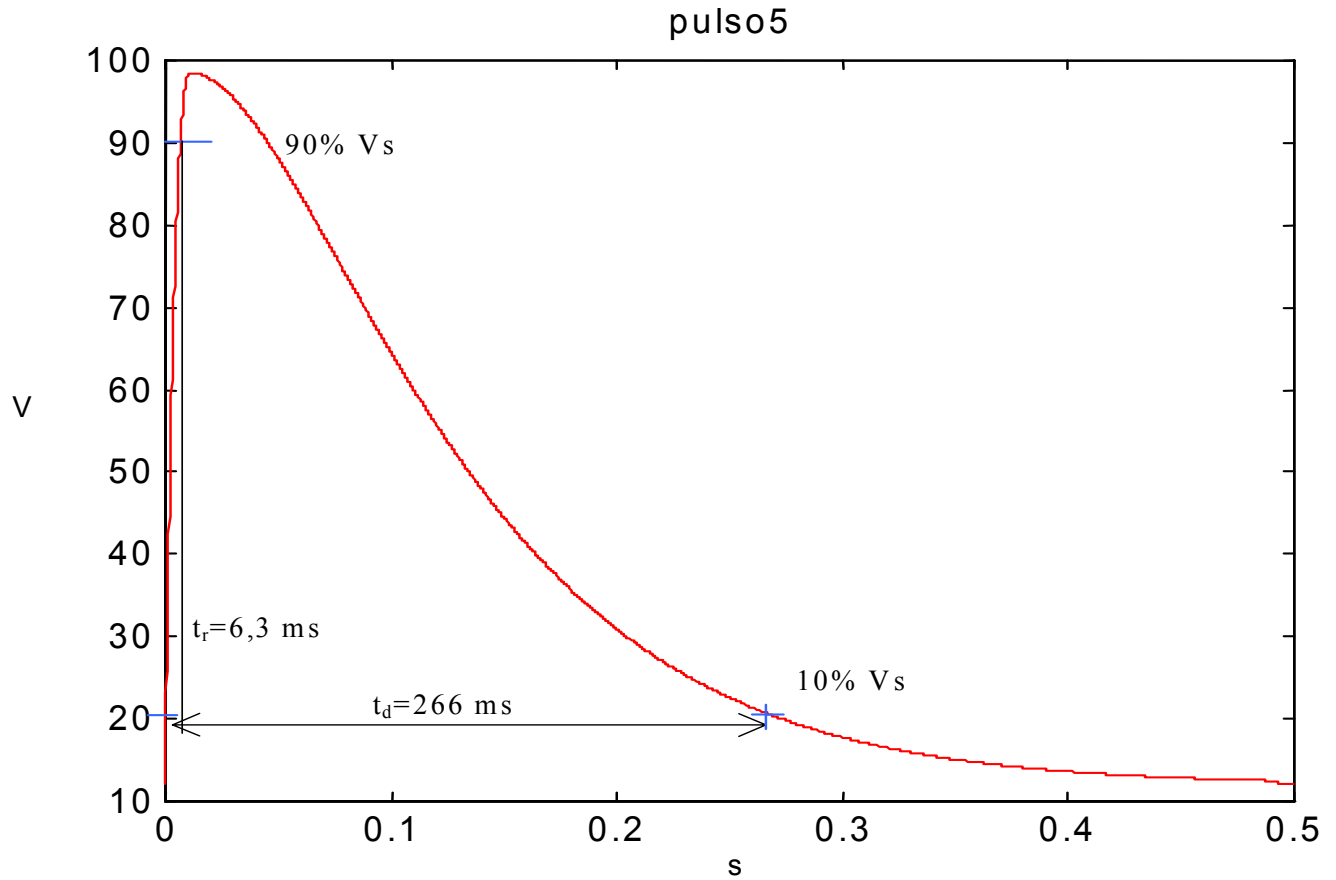
$$V_B = 12 \text{ V}$$

$$V_S = 86,5 \text{ V}$$

$$R_i = 0 \text{ } \Omega$$

$$t_d = 266 \text{ ms}$$

$$t_r = 6,3 \text{ ms}$$



Impulso de ensayo 6

Parámetros:

$$V_B = 12 \text{ V}$$

$$V_S = -86,5 \text{ V}$$

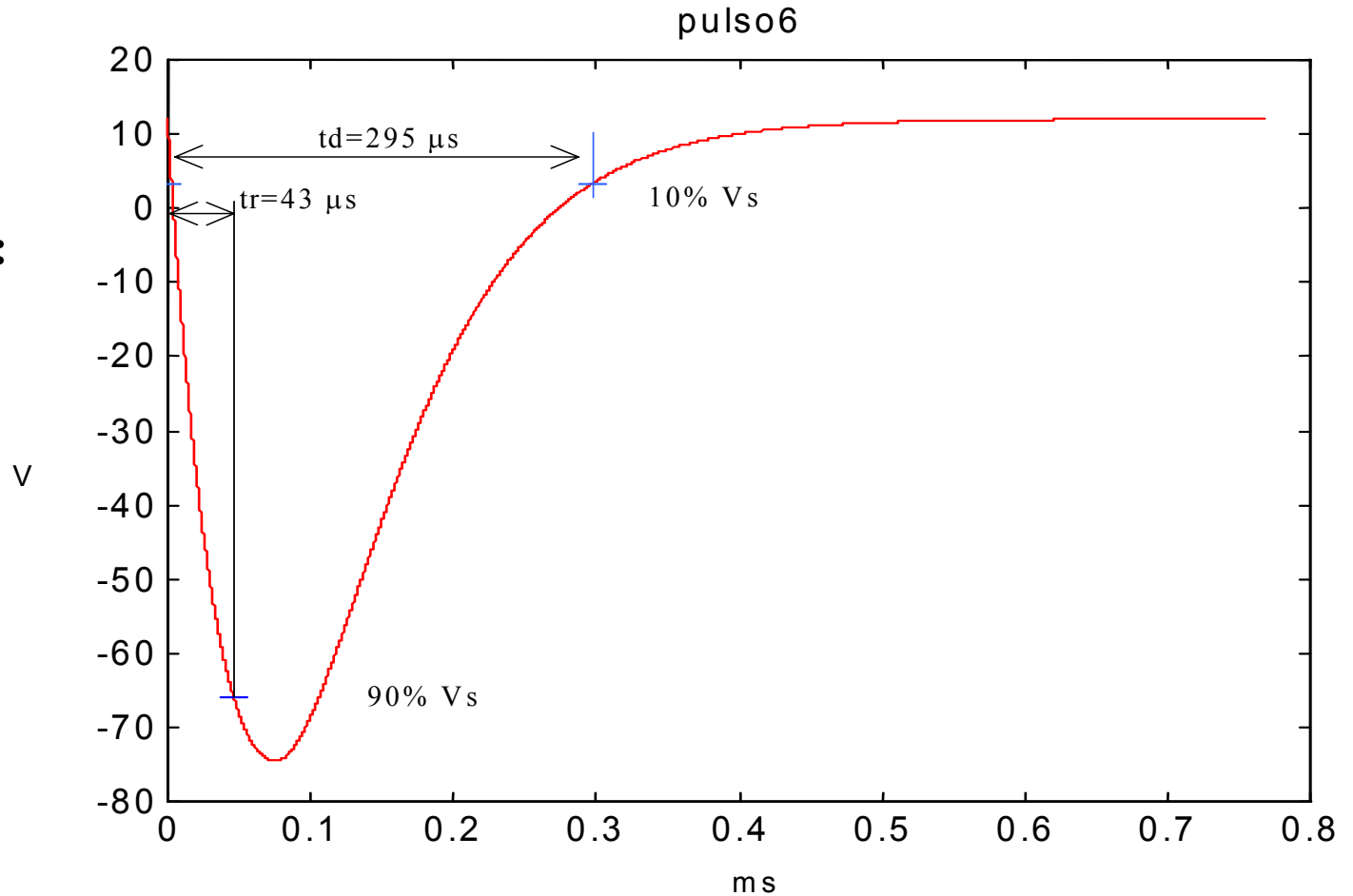
$$R_i = 0 \text{ } \Omega$$

$$t_d = 295 \text{ } \mu\text{s}$$

$$t_r = 43 \text{ } \mu\text{s}$$

$$t_1 = 15 \text{ s}$$

$$t_3 = 0 \text{ } \mu\text{s}$$



Impulso de ensayo 7

Parámetros:

$$V_B = 12 \text{ V}$$

$$V_S = -80 \text{ V}$$

$$R_i = 0 \text{ } \Omega$$

$$t_d = 100 \text{ } \mu\text{s}$$

$$t_r = 6 \text{ ms}$$

$$t_3 = 0 \text{ } \mu\text{s}$$

