

$$t := 0, 1..10 \quad c := 3 \cdot 10^8$$

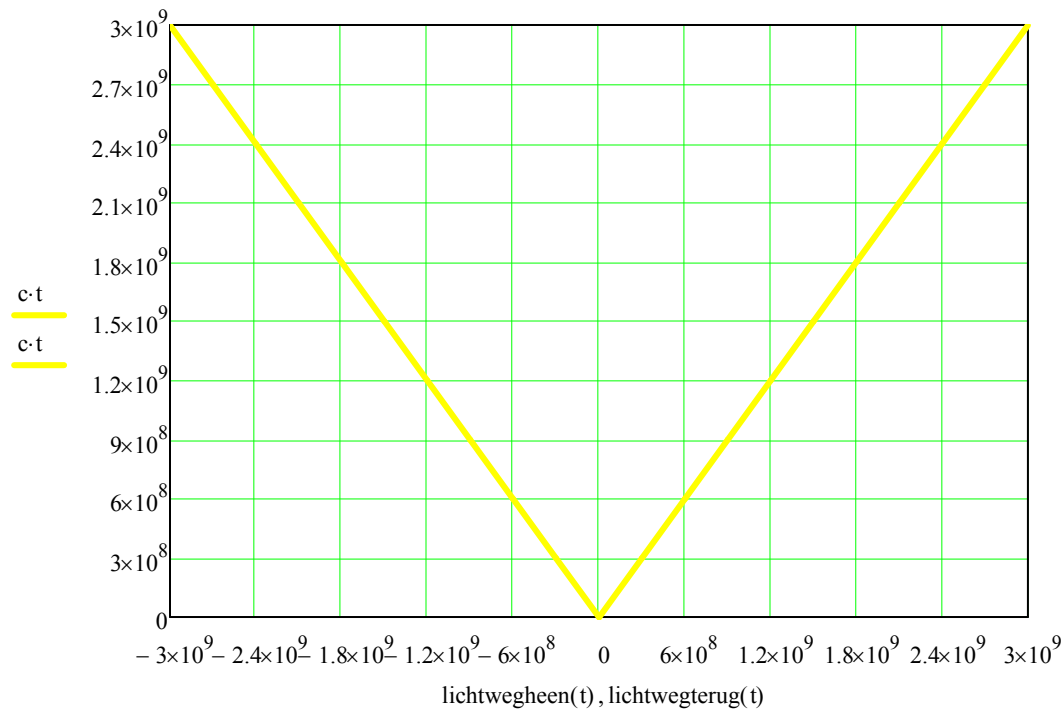
$$t_a(t,k,x) := t + \frac{k \cdot x}{c}$$

$$\text{lichtwegheen}(t) := c \cdot t$$

$$\text{lichtwegterug}(t) := -c \cdot t \qquad \text{lichtwegterug}(1) = -3 \times 10^8$$

$$t_a = t + \frac{k \cdot x}{c} \qquad x = -\frac{c \cdot (t - t_a)}{k}$$

$$x(t) := -\frac{c \cdot (t - t_a)}{k} \qquad ?$$



$$d1(c1) := \frac{c1}{2 \cdot \frac{c1}{c} - 1}$$

$$cl := 3 \cdot 10^8 \qquad cr := d1(cl)$$

$$cm := 10^{-2} \quad F := 2.5 \cdot 10^9 \quad \text{ampl} := 1$$

$$n := 10^{-9}$$

$$w := 2 \cdot \pi \cdot F \qquad w = 1.571 \times 10^{10}$$

$$\lambda l := \frac{cl}{F} \quad \lambda l = 0.12 \qquad \lambda r := \frac{cr}{F} \quad \lambda r = 0.12$$

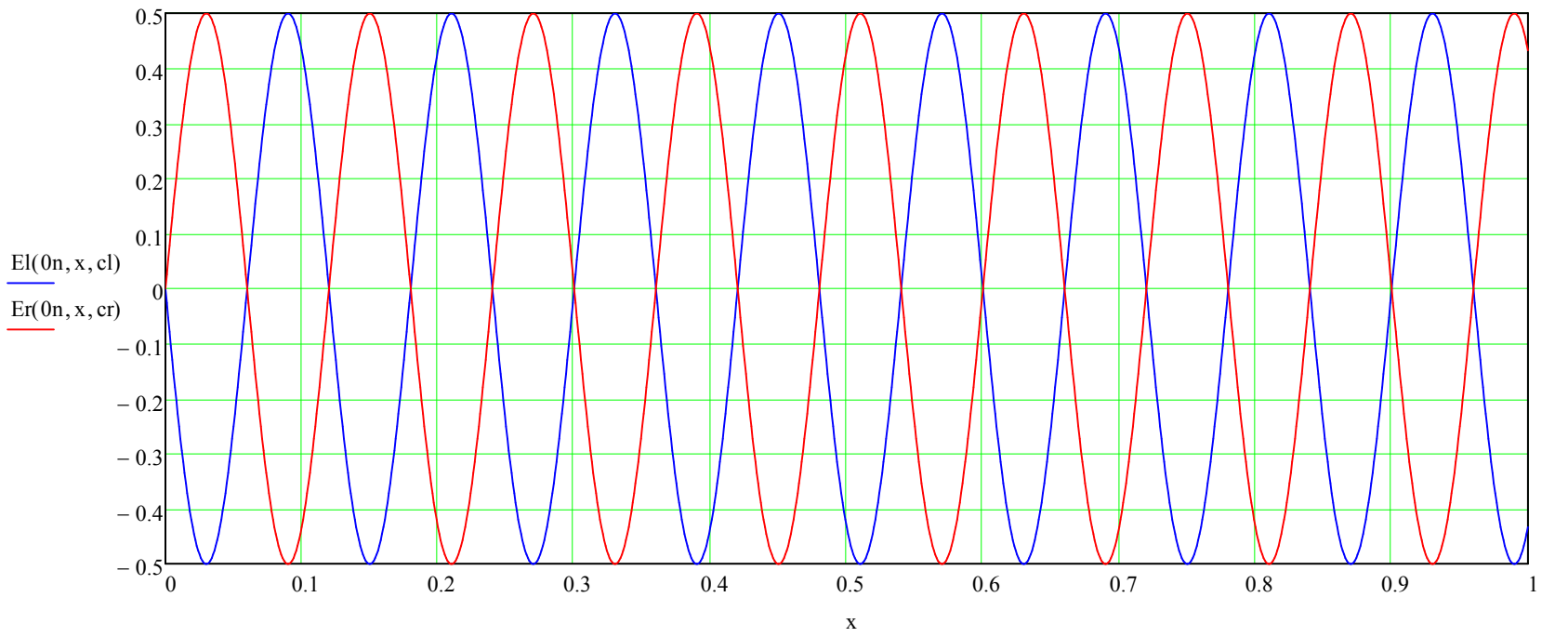
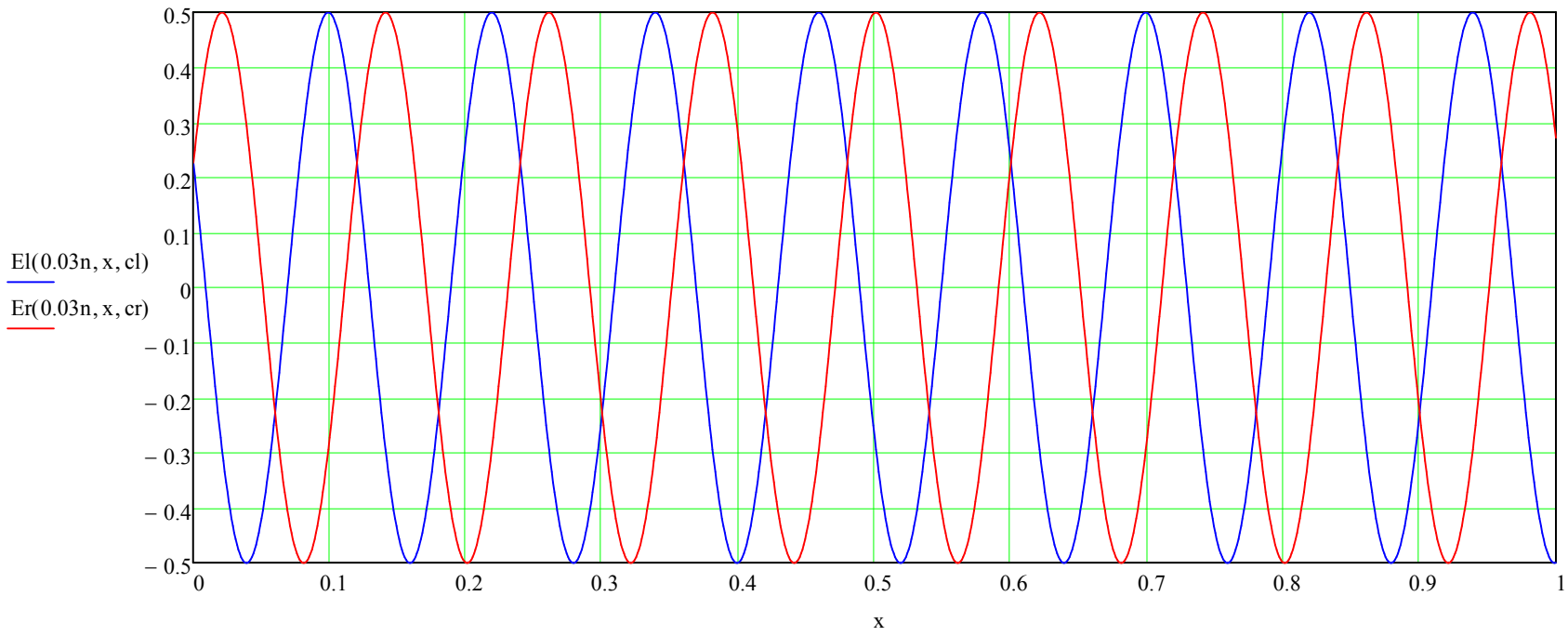
$$El(t,x,cl) := \frac{\text{ampl}}{2} \cdot \sin \left[w \cdot t - \frac{2 \cdot \pi \cdot x}{\left(\frac{cl}{F} \right)} \right] \qquad \text{tper} := \frac{1}{F}$$

$$\text{tper} = 4 \times 10^{-10}$$

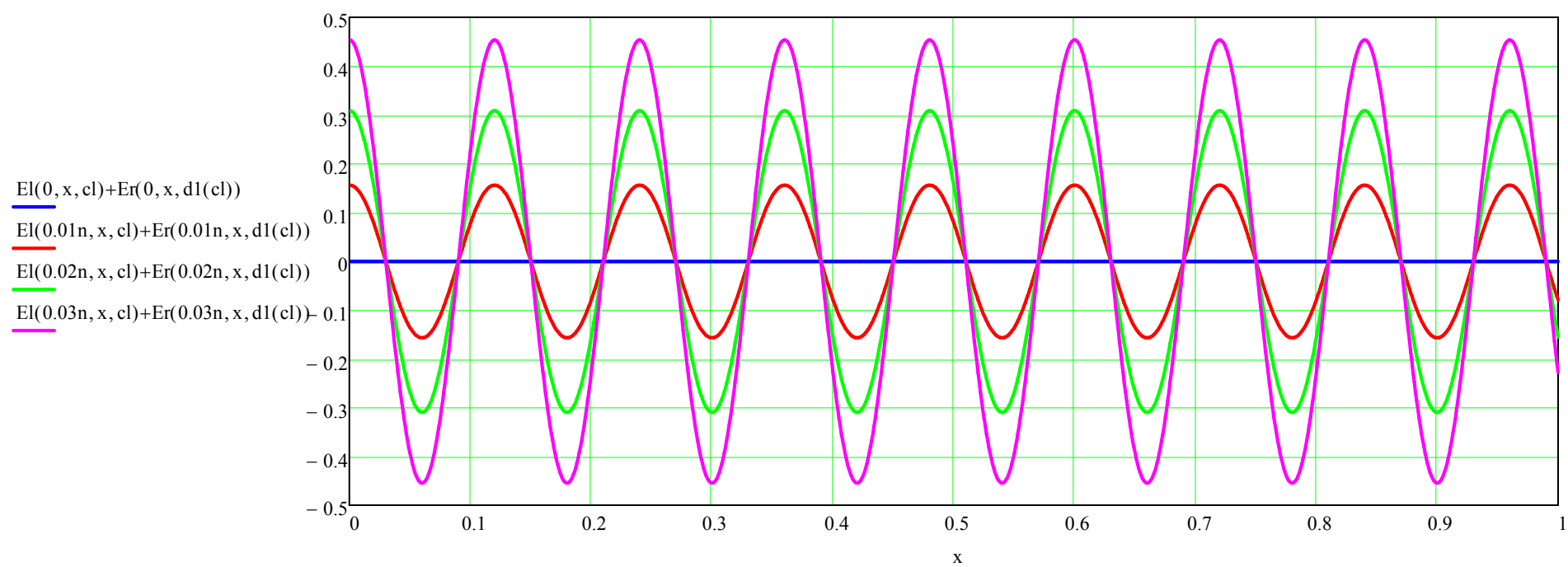
$$Er(t,x,cr) := \frac{\text{ampl}}{2} \cdot \sin \left[w \cdot t + \frac{2 \cdot \pi \cdot x}{\left(\frac{cr}{F} \right)} \right]$$

$$x := 0, 0.001..1$$

$$t := 0, 0.01n.. \text{tper}$$



$$cl := 3 \cdot 10^8 \qquad d1(cl) = 3 \times 10^8$$



$$\xi_1^l := 1.1c \quad \text{d1}(\text{cl}) = 2.75 \times 10^8$$

