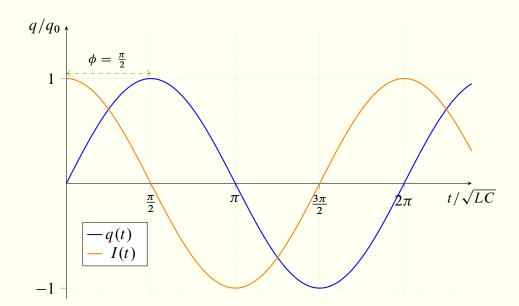
1. LC-Schaltkreis mit/ohne Wechselstrom

(a)

$$\frac{q(t)}{C} = L \frac{\mathrm{d}^2 q}{\mathrm{d}t^2}$$
$$q(t) = q_0 \cos\left(\frac{1}{\sqrt{LC}}t\right)$$



(b)

2. Serienschwingkreis

 $L=0.1~\mathrm{H}; \quad R=100~\Omega; \quad C=0.47~\mu\mathrm{F}; \quad U_0=3~\mathrm{V}$

(a)

(b)

(c)

3. Ele	ektrische	e Versc	hiebur	ng		
 (a)					 	
 (b)					 	
(c)						
(d)						
(e)						
(f)						