

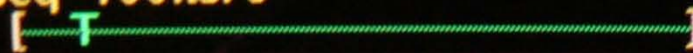
# **EM-100: Elektrische Resonanz im Serien- und Parallelschwingkreis**

# **Parallelschwingkreis**

## **Spannungsresonanz**

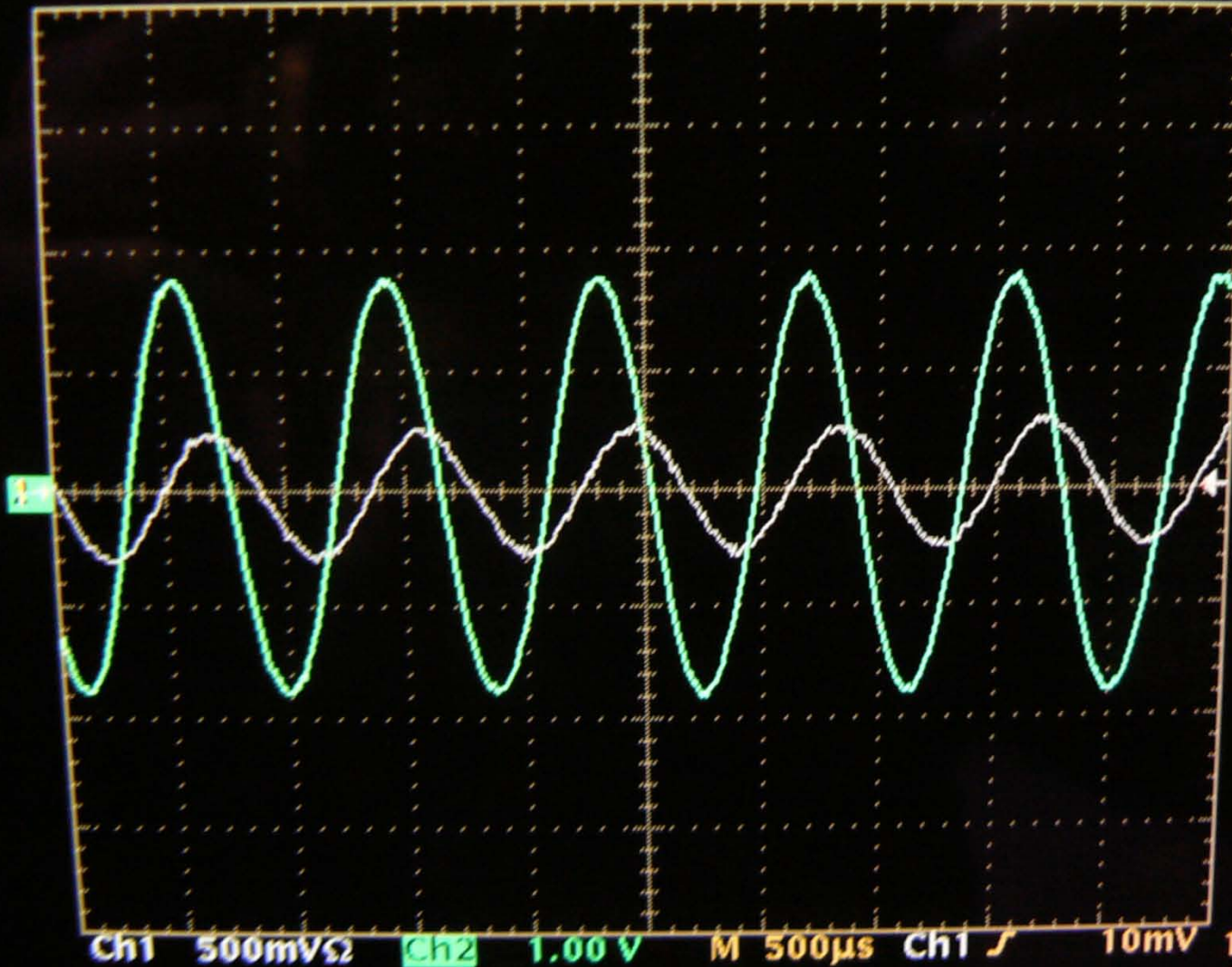
**f = 1.12 kHz**

Tek **STOP** Single Seq 100kS/s



C1 Freq  
1.12360kHz  
Low signal  
amplitude

Strom  
Spannung



16 Mar 2012  
17:36:30

**f = 2.27 kHz**

Tek **Stop** Single Seq 100kS/s



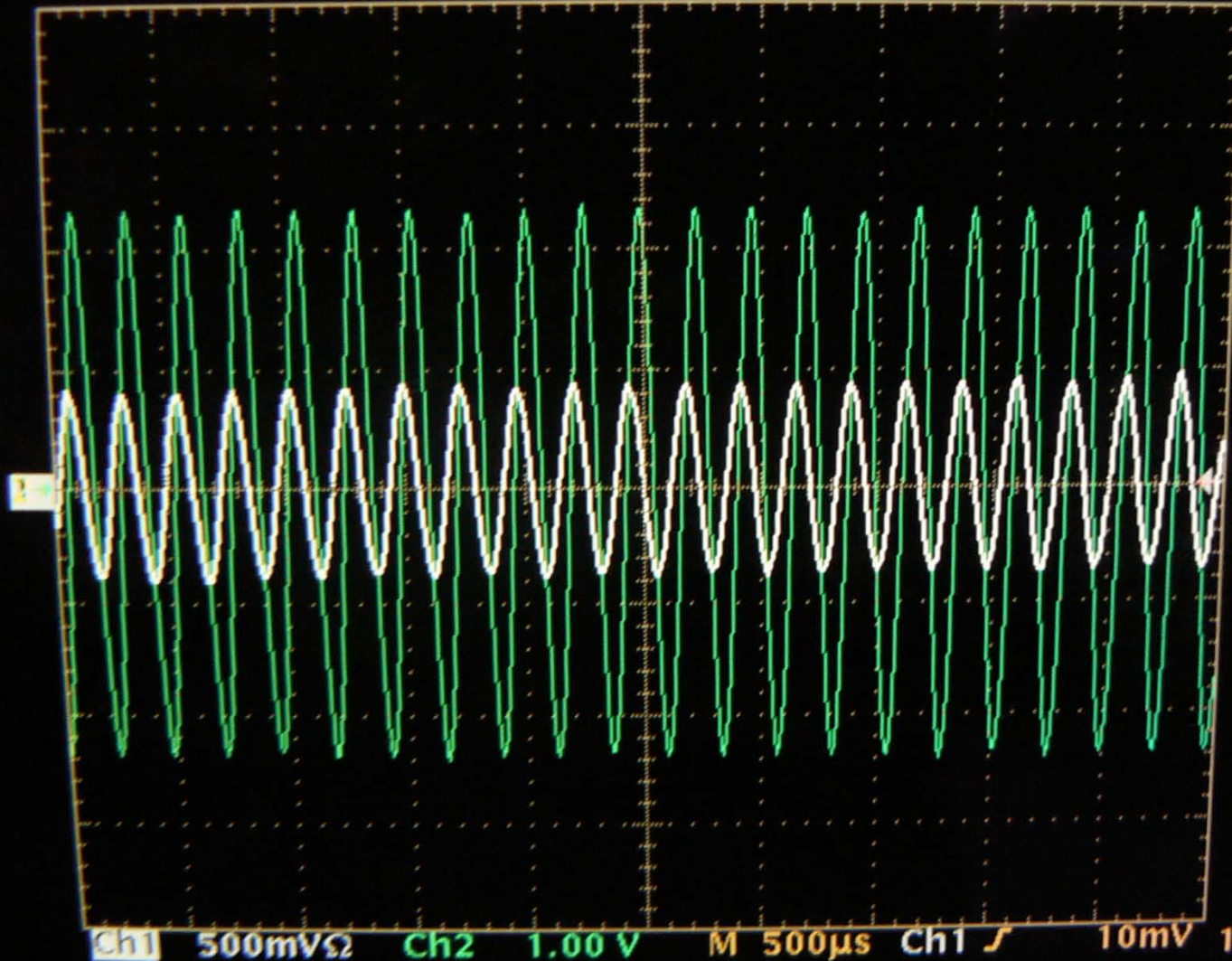
C1 Freq  
2.27272kHz  
Low signal  
amplitude

Strom  
Spannung

Ch1 500mVΩ Ch2 1.00 V M 500μs Ch1 J 10mV 16 Mar 2012 17:38:26

**f = 4.26 kHz**

Tek **Stop** Single Seq 100kS/s



C1 Freq  
4.25832kHz  
Low signal  
amplitude

Strom  
Spannung

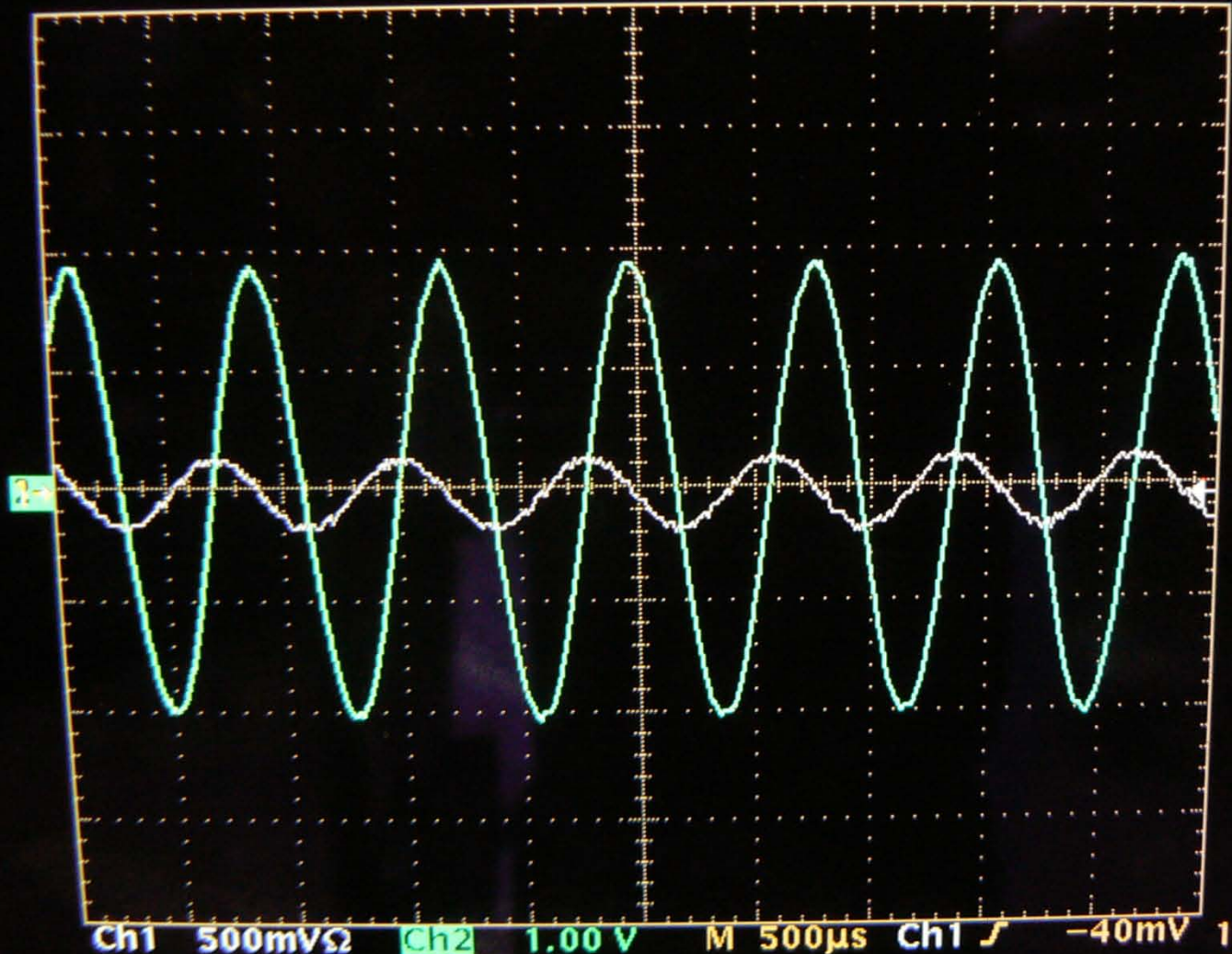
# **Serienschwingkreis**

## **Stromresonanz**

$f = 1.27 \text{ kHz}$

Tek STOP Single Seq 100kS/s

[ T ]



C2 Freq  
1.27120kHz

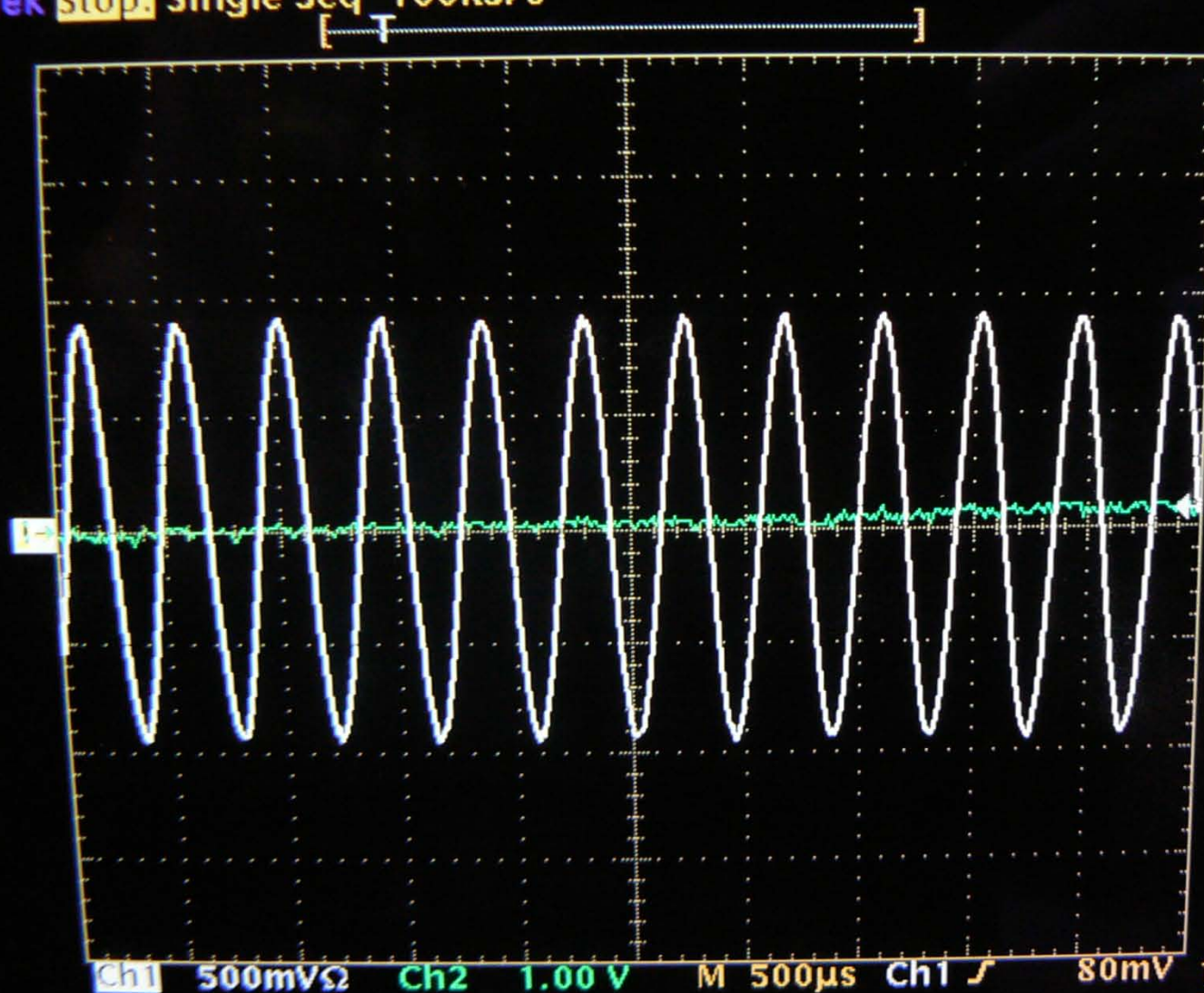
Strom  
Spannung

Ch1 500mVΩ Ch2 1.00 V M 500μs Ch1 J -40mV

16 Mar 2012  
16:59:37

$f = 2.32 \text{ kHz}$

Tek Stop: Single Seq 100kS/s



C1 Freq  
2.31852kHz

Strom  
Spannung

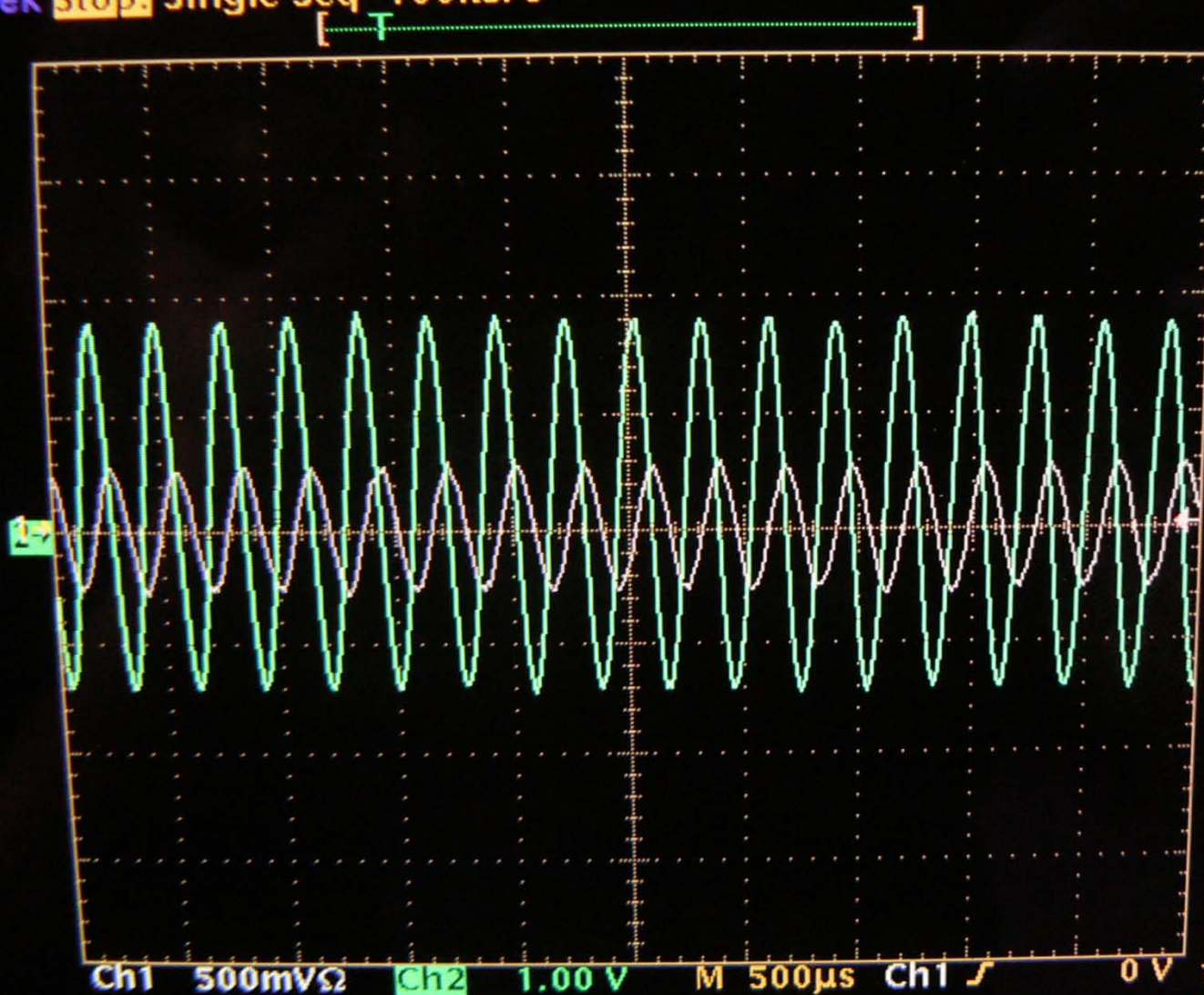
Ch1 500mVΩ Ch2 1.00 V M 500μs Ch1 J 80mV

16 Mar 2012  
17:09:37



$f = 3.46 \text{ kHz}$

Tek **Stop**: Single Seq 100kS/s



C1 Freq  
3.45820kHz  
Low signal  
amplitude

Strom  
Spannung

Ch1 500mVΩ Ch2 1.00 V M 500μs Ch1 0 V

16 Mar 2012  
17:12:12