

Laboratorijas darba 1 atskaite

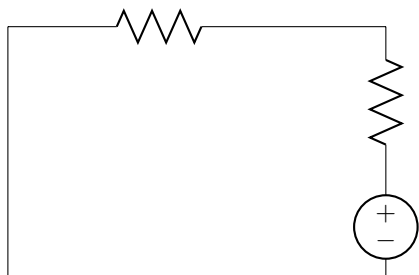
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Chapter 1

Teortisk daa

Uzdevums bija apinat spriegumus uz rezistoriem dotaj shm. Sprieguma avota V1 sprieguma vrtbu U (Volts) izvlities daskaitli, kas btu Jsua apliebas pdjie trs cipari dalti ar 10. Mans apliebas numurs ir 171REB115, tatl 115/10= 11.5, tad no tas skojam, k $V1 = 11.5$ (Volti), R1 ir apliebas pdjo 3 ciparu otrais numurs+1, R2 ir apliebas numura pdjais cipars +1. Tatl 171REB115, 115 ir pdejie trs cipari mana apliebas numura, lai noteikt ar ko ir viends R1, mms vajag pie otra cipara (no skaita 112) pievienot 1. No tam sekojam $1+1=2$, tad $R1=2$. Lai noteikt ar ko ir viends R2, mms vajag pie trea cipara (no skaita 115) pivienot ar 1, ka iepriekaja gadjuma. Tad, $5+1=6$ $R2=6$.



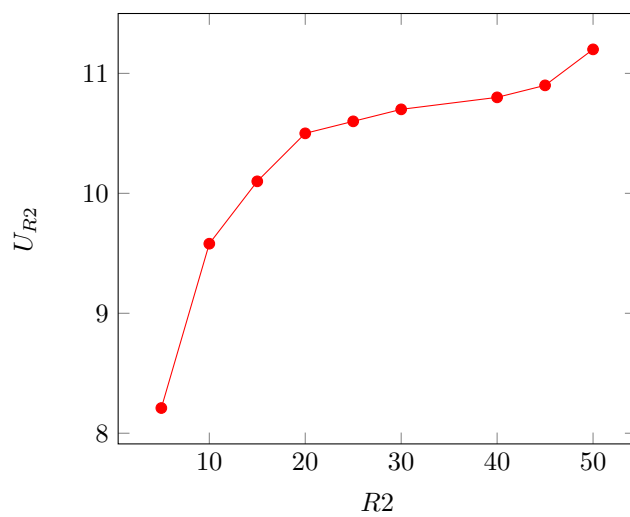


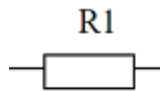
Figure 1.1: $U_{R2}=f(R2)$ grafiks, pc sweep simulcijas datiem.

1.1 des aprins

$R1$	2 Om
$R2$	6Om
$V1$	11.5 V
U_{R2}	11.5
U_{R1}	8.625

Table 1.1: Sprieguma un pretestbas tabula

Figure 1.2: Shma



Chapter 2

Praktisk daa

2.1 Darbs ar GEDA programmm

2.1.1 darbs ar gschem

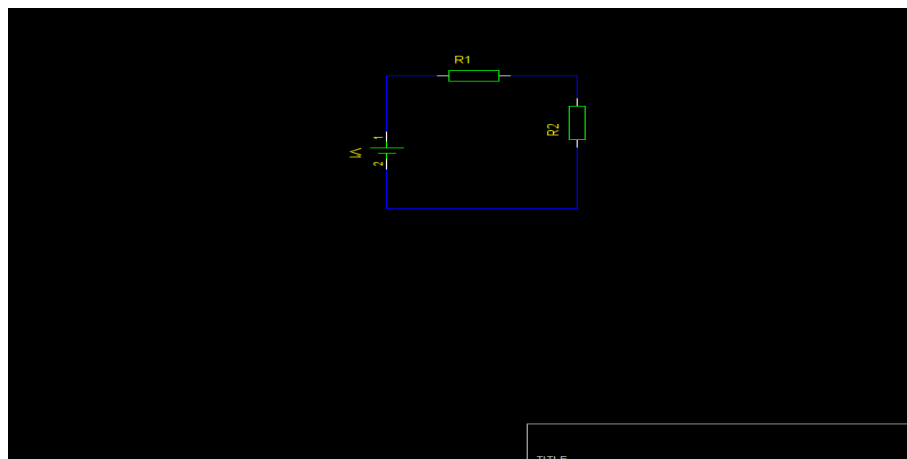


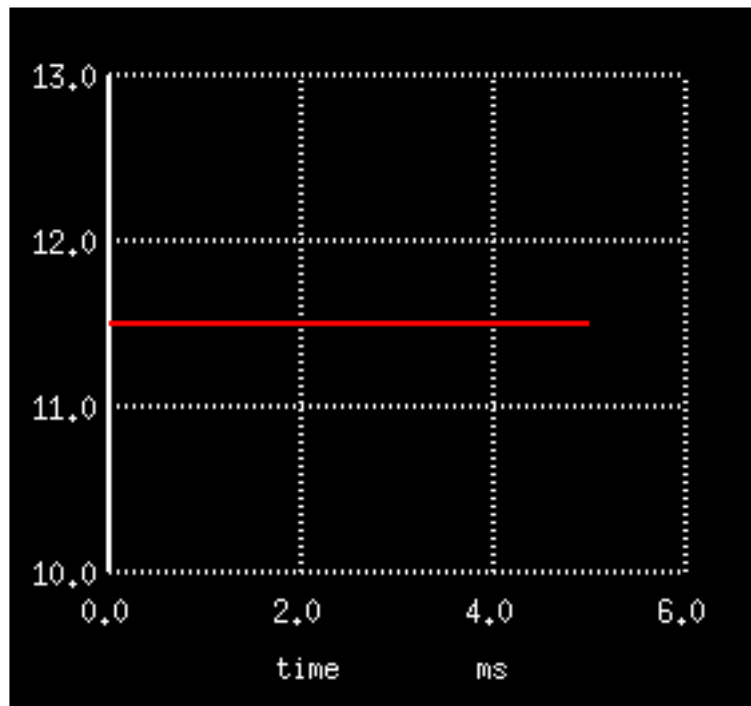
Figure 2.1.1: Elektriska shma gschem vid

2.1.2 darbs ar gnetlist

```
* Spice netlist for gnetlist
R2 0 2 6
R1 1 2 2
V1 1 0 11.5
.END
```

Figure 2.1.2: Rezulttu parbaude ar gnetlist

2.1.3 darbs ar ngspice



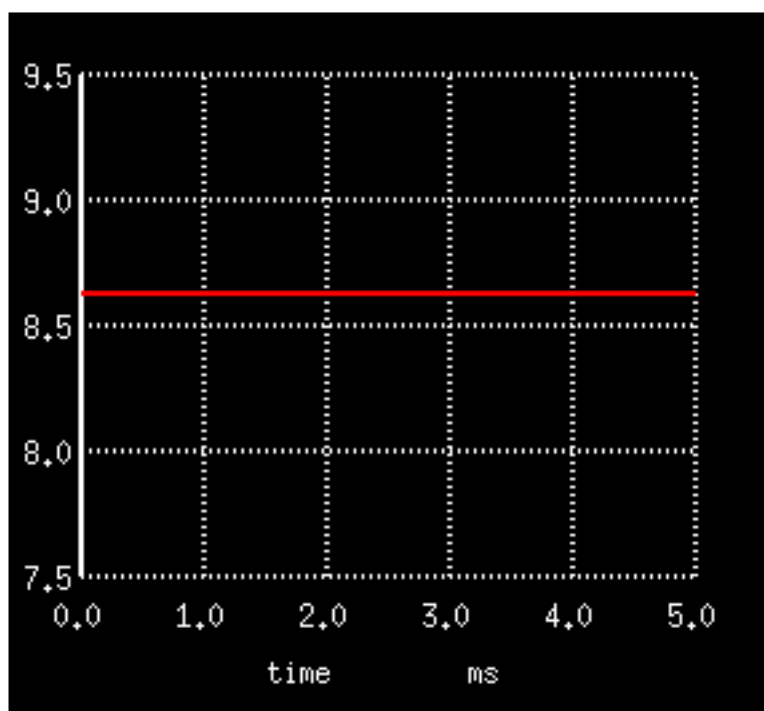


Figure 2.1: NGspice iegtaie sprieguma grafiki

2.2 Darbs ar QUCS programmm

Figure 2.2: QUCS Shmas modelis

2.2.1 Tabula un grafiks

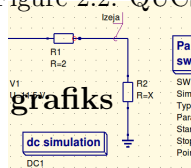
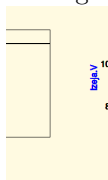


Figure 2.3: Iegtie rezultti QUCS



Bibliography

- [1] Berga, I., Ceske, E., ekstere, I. u.c. *Siguldas novadmcba.* (Latvia) [*Siguldas novadmcba*] Berga, I., Ceske, E., ekstere, I. u.c. Rga: Preses nams, 2002. 186 lpp. ISBN 9984-19-250-4.
- [2] Joseph Heller *Catch-22*. Published September 4th 2004 by Simon and Schuster (first published 1961)