

Calculation Of The Voltage-Ripple When Using A RC-Filter

```
.param CF=1u
.step param CF list 0.01u 0.1u 1u
```

```
.ic V(out)={VCC/2}
.tran 0 50m 0 1u
.options plotwinsize=0
```

```
.param Tp=100u Tw=50u Tau=10m Vcc=5
.param h1=exp(-Tp/Tau)
.param h2=exp(Tw/Tau)
.param V2=Vcc*h1*(h2-1)/(1-h1)
.param V1=V2/(h1*h2)
.param Vf_pp=V1-V2
```

```
.measure Vpp param Vf_pp
; Menu: View --> SPICE Error Log
```

