

```

.param CCOMP=20p
.step param CCOMP list 10p 20p 30p
.step param CCOMP 10p 30p 5p

```

```

.tran 0 2m 0 100n
.options plotwinsize=0
.ac dec 20 1 10MEG

```

Simplified Circuit of a 10:1 Probe

Watch how V(out) can be optimized with the correct value of the compensation capacitor C2.

More about .step can be find in the help pages.

Ideal Adjustment:

$$R1 \cdot C1 = R_{in} \cdot (C2 + C_{cable} + C_{in})$$

