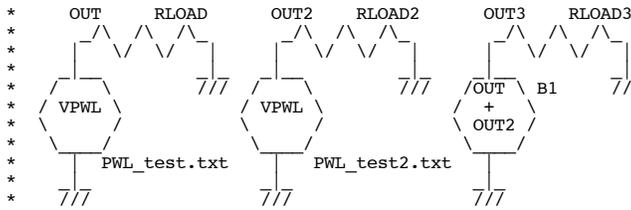


**PWL\_Noise\_Add**

\* [www.idea2ic.com](http://www.idea2ic.com) dsauersanjose@aol.com 7.15.10\_4.37PM



\* To create a 1V\_RMS 1kHz Noise with 1Hz resolution  
 \* Type In MacSpice Window -> `rndsrc .5m 1`  
 \* Make two files called `PWL_Noise_1K1Hz.inc` and `PWL_Noise_1K1Hz2.inc`

\* `VpwlT2 OUT2 0 PWL( <== Change PWL_Noise_1K1Hz2.inc to look like so.`

*This text file is located at the following*

\* `Users/donsauer/Documents/MacSpice/PWL_Noise_1K1Hz.inc`

```

=====
.include PWL_Noise_1K1Hz.inc
.include PWL_Noise_1K1Hz2.inc
Rload OUT 0 1k
Rload2 OUT2 0 1k
Bsum OUT3 0 v = v(out) + v(out2)
  
```

```

.control
tran .05m 1 0 .05m
plot out out2-5 out3-10

let ave = mean(out)
echo "average1 = $&ave"
let rms = sqrt(mean(out*out))
echo "rms1 = $&rms"

let ave = mean(out2)
echo "average2 = $&ave"
let rms = sqrt(mean(out2*out2))
echo "rms2 = $&rms"

let ave = mean(out3)
echo "average3 = $&ave"
let rms = sqrt(mean(out3*out3))
echo "rms3 = $&rms"
  
```

.endc

.end

=====END\_OF\_SPICE=====

```

average1 = 0.0654902
rms1 = 0.996786
average2 = -0.0258164
rms2 = 1.00498
average3 = 0.0396737
rms3 = 1.4242
  
```

