

```

.options maxstep=0.02441555u
.options maxstep=0.4831106u
SINE(0 0.9 (freq))
PULSE(-1 1 0 (t_edge) (t_edge) {1/2*f*t_edge} {1/f})
.AC 1 Vin3 0mV
.AC 1 Vin4 0mV
.AC 1 SINE(0 1 (freq) C1
.AC 1 AC 1 0mV
.AC 1 AC 1 0mV
.param rdge 68
.step dec param level list .1 .5 1.3
;op
.ac dec 100 10 3e6
V(vout)-V(a)
SINE(0 1 (freq))
.noise vout ac 1 dec 10 10 20000
.param timestep 1m/8192
.ac dec 100 10 7e6
.include Cordell models A.txt
.noise V(vout) VIN dec 100 100 20k

```

