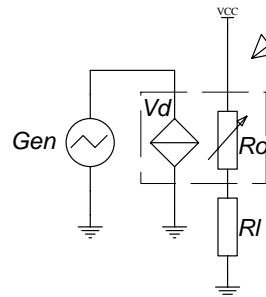Two LM1875s working in parallel will provide more power,why?

VCC

This is a simple model to introduce why

Gen: signal for driving the output stage
      this signal comr from the section in front,
      generally it should be the drive section

Vd

Ro

Vd+Ro:power BJT model
     this is the typical model.in class ab and class a etc,
     Ro is a variable resistor,which value is decided by Vd
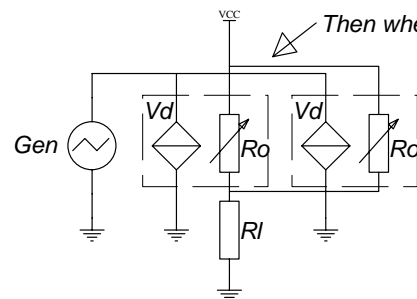
Gen

Rl

Rl:load(your speaker)

But we only disscus the clipping power this time.
*Pmax=U*U/R=VCC*(Rl/(Rl+Ro))/1.414*VCC*(Rl/(Rl+Ro))/1.414/Rl*
     =25(8/(8+Ro))/1.414*25*(8/(8+Ro))/1.414/8*

so if reduce Ro,Pmax will increase

VCC

Then when we make 2 lm1875s working in parallel the model will like this

    it is obvious that the source resistor up on the Rl becomes into Ro/2,
    one time less than before,so the clipping power out is more

Vd

Ro

Vd

Ro

Gen

Rl