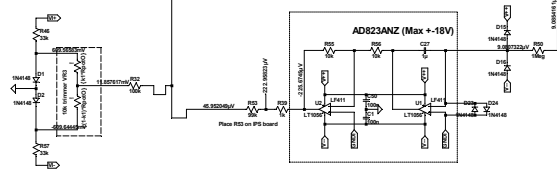


CAUDIO MODELS 2021.txt  
 kears/Ricardo/LT SPICE RC/MODELS/CAUDIO MODELS 2021.txt  
 P LIST 25 75 .temp 70

m(10k/330)+1  
 f=5  
 p=63.6  
 g=300  
 20k  
 y 1m  
 s = sqrt(power/road)\*sqrt(2)  
 \_ft\_pts 4096  
 mpression and use double precision  
 twinsize=8  
 mdgt=8  
 step 1/( {freq} \* {num\_ft\_pts} )  
 V(Vout)

{delay}+(20/{freq}) {delay} {timestep}

.param Rpot=10k  
 .param k1 0.49  
 Minimize offset before connecting servo



Dual opamp servo reduces LF THD 100times  
 It can be used with lower output RS3 without severe impact in LF THD

Note the connections for the two diodes.  
 These are connected parallel to the output of the opamp with C2.  
 The reason is distortion, and this is covered in the following section.  
 It appears that many people seem not to have noticed that this  
 can create measurable distortion with high-level, low-frequency amplifier output signals.  
 The method shown with diodes in parallel is far better option.  
 provided the integrator frequency is low enough.  
 The audio signal should never be able to drive the opamp's input outside its linear range.