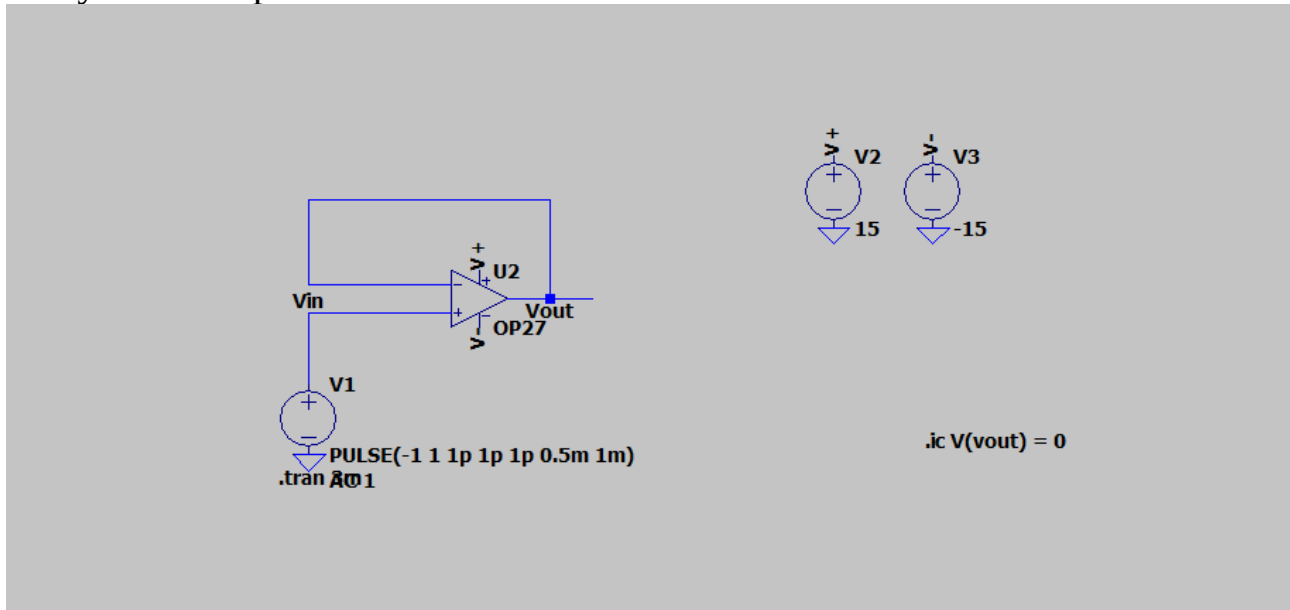


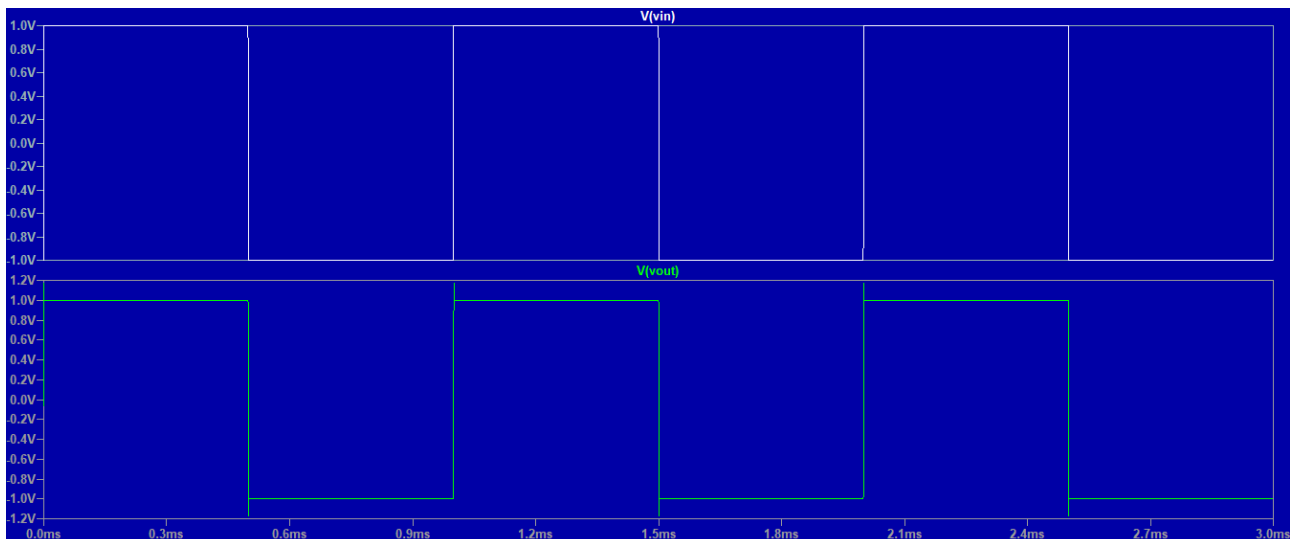
Laboratory work 4

Study the characteristics of negative feedback amplifiers and design of an instrumentation amplifier

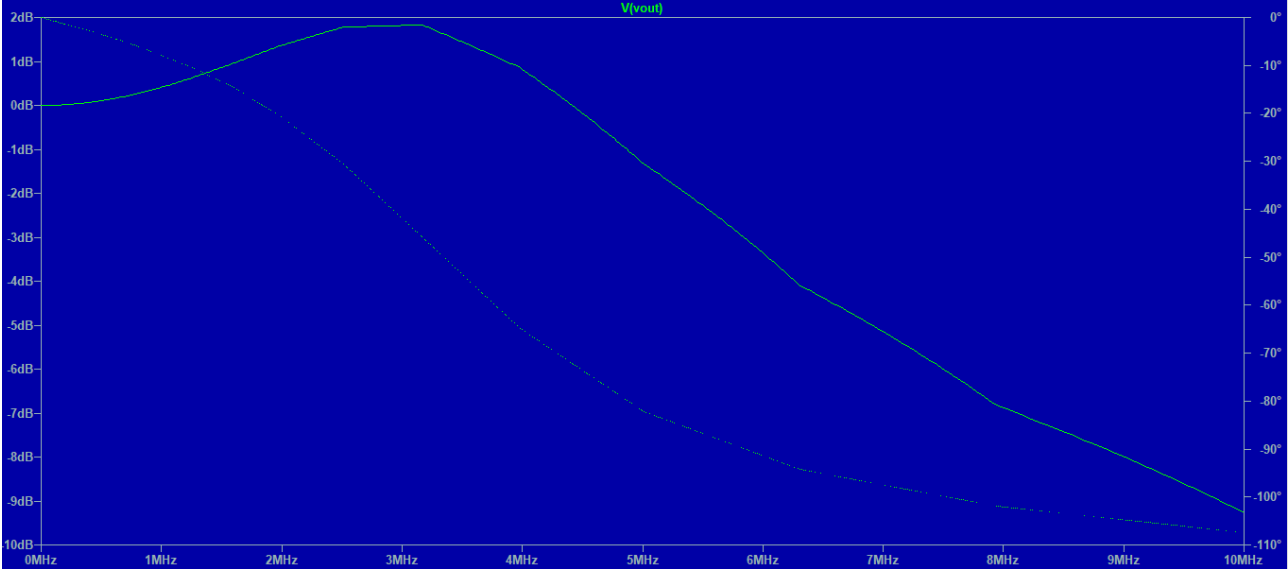
Unity Gain Amplifier



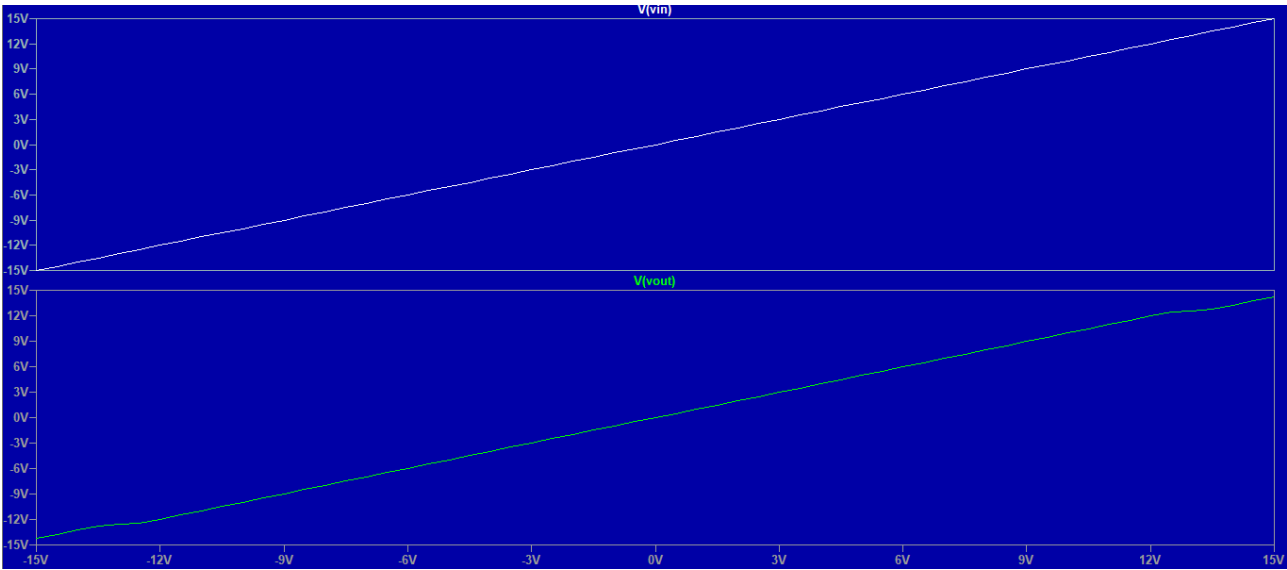
Transient Response



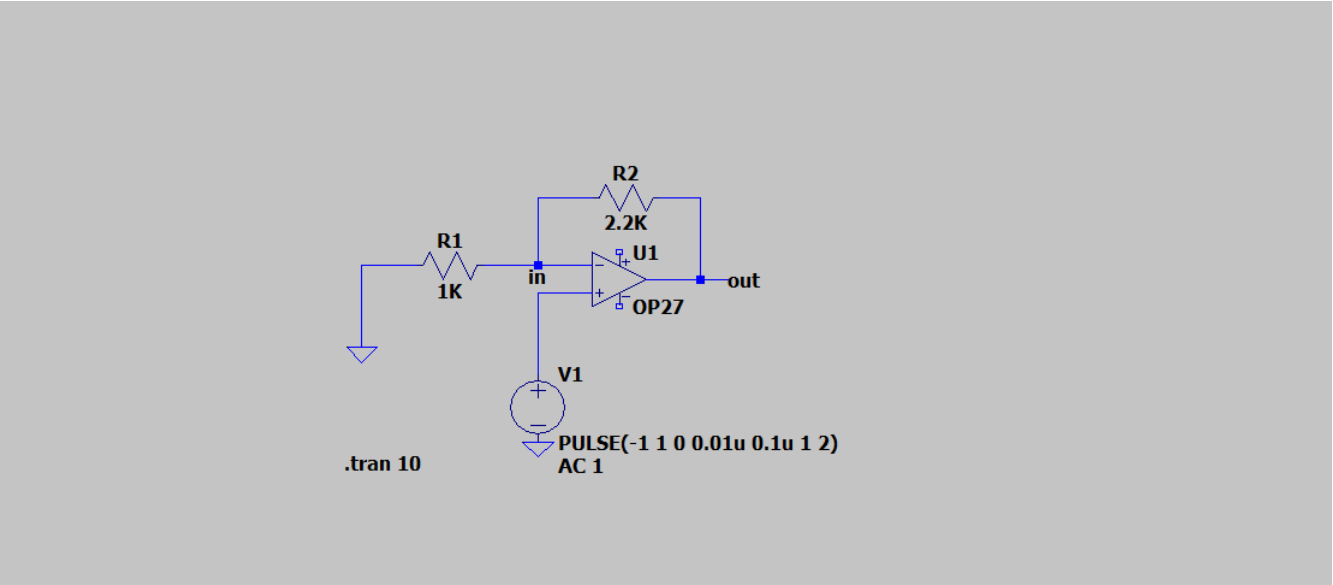
AC Analysis



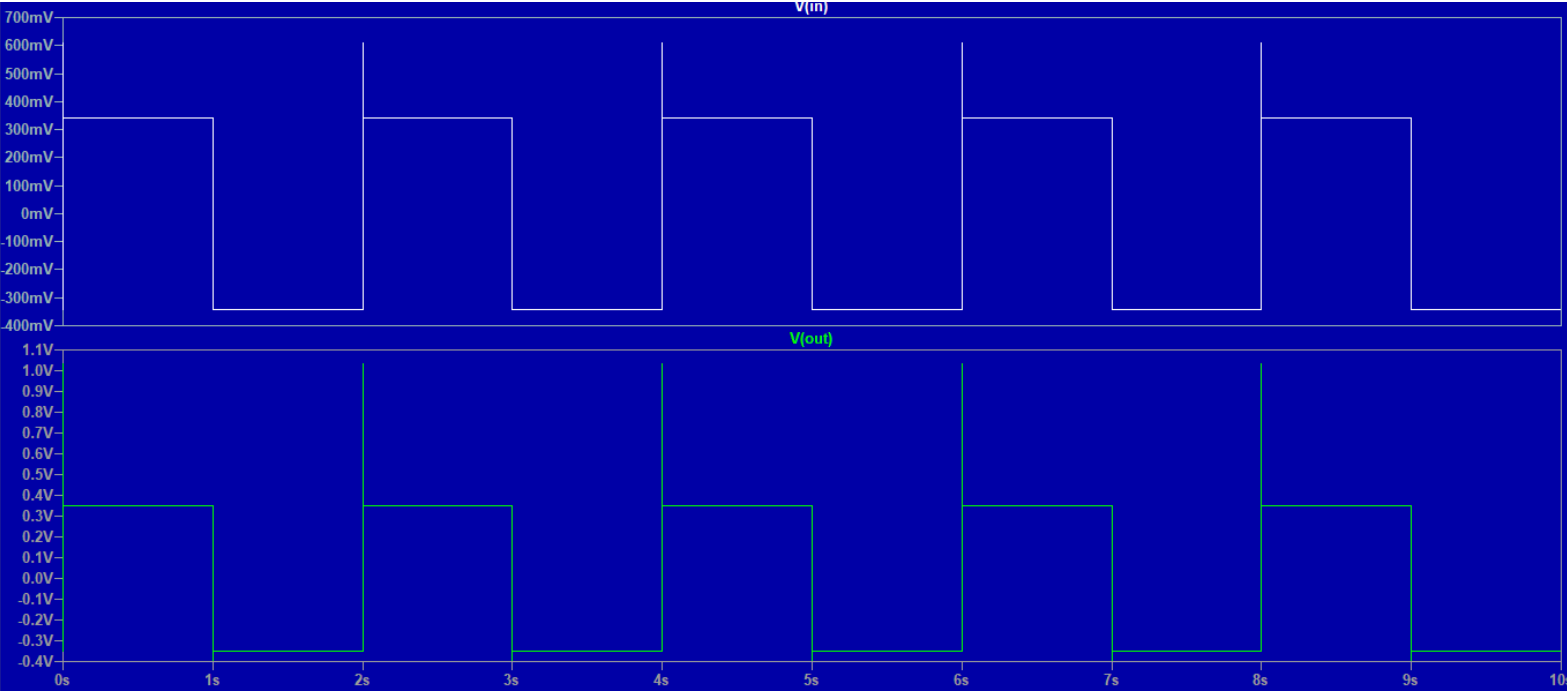
DC Transfer Characteristics



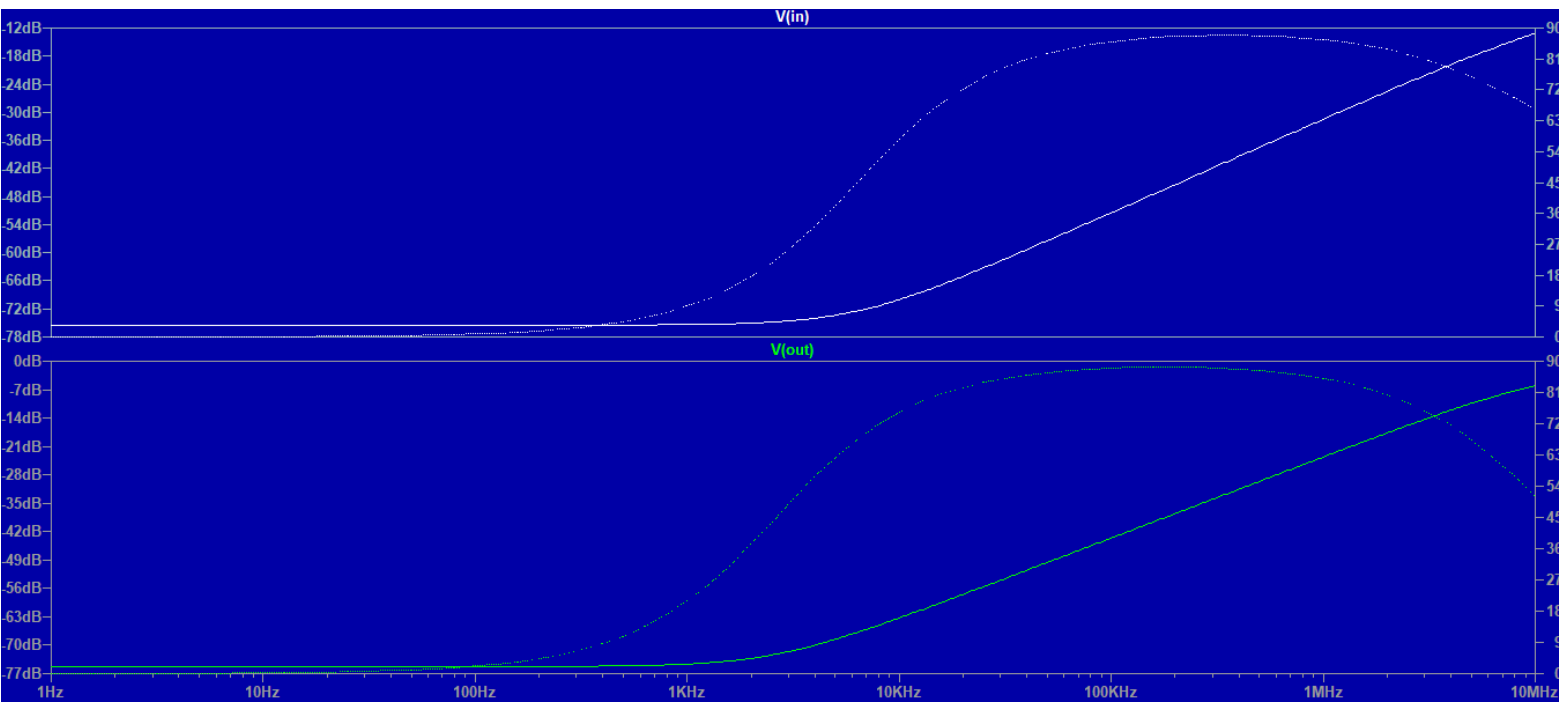
Non-inverting Amplifier



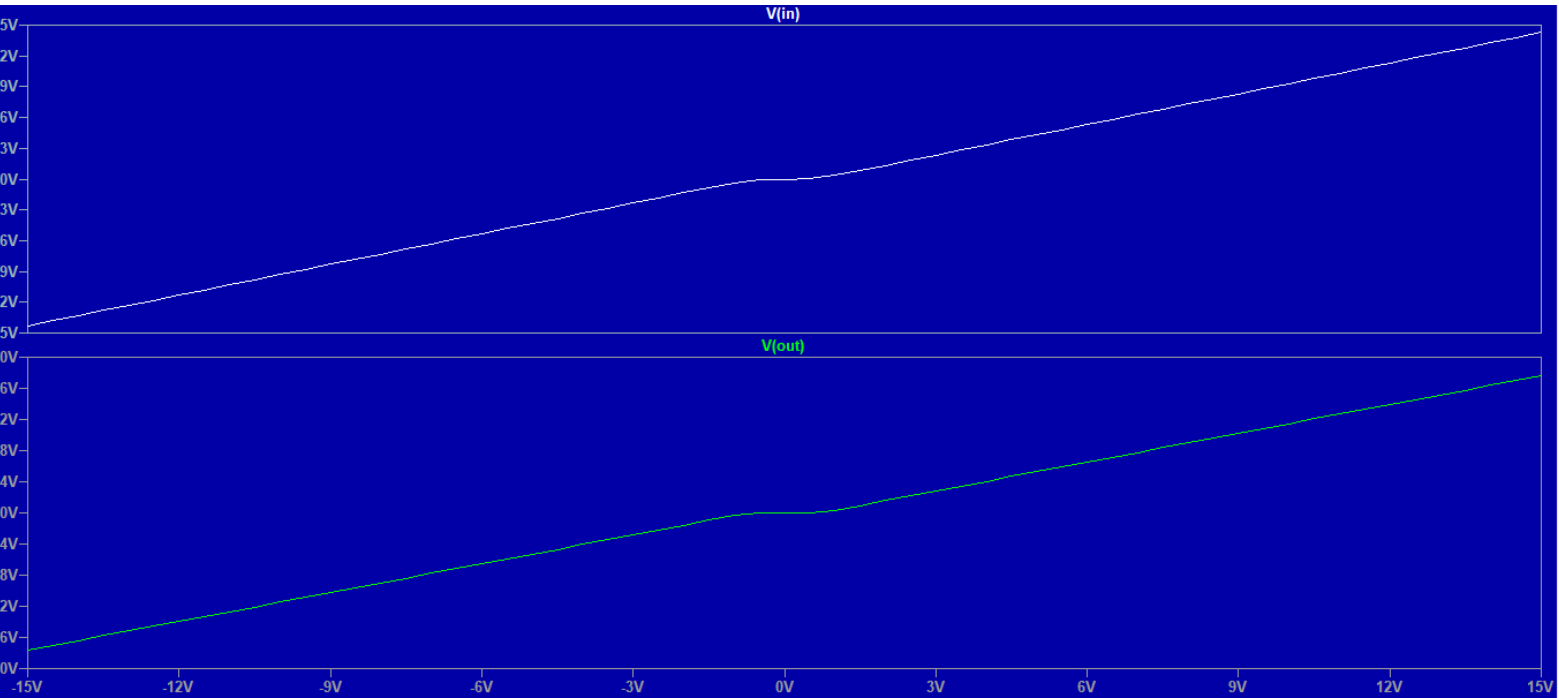
Transient Response



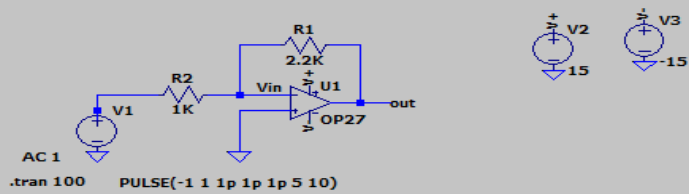
AC Analysis



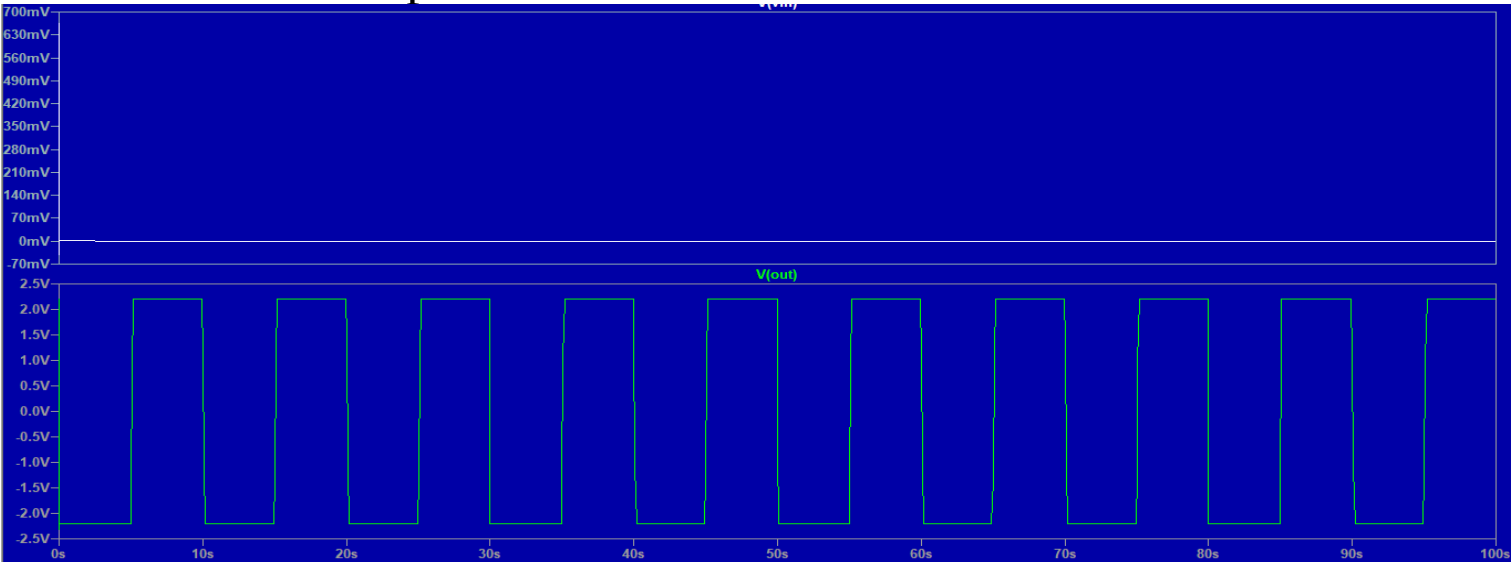
DC Transfer Characteristics



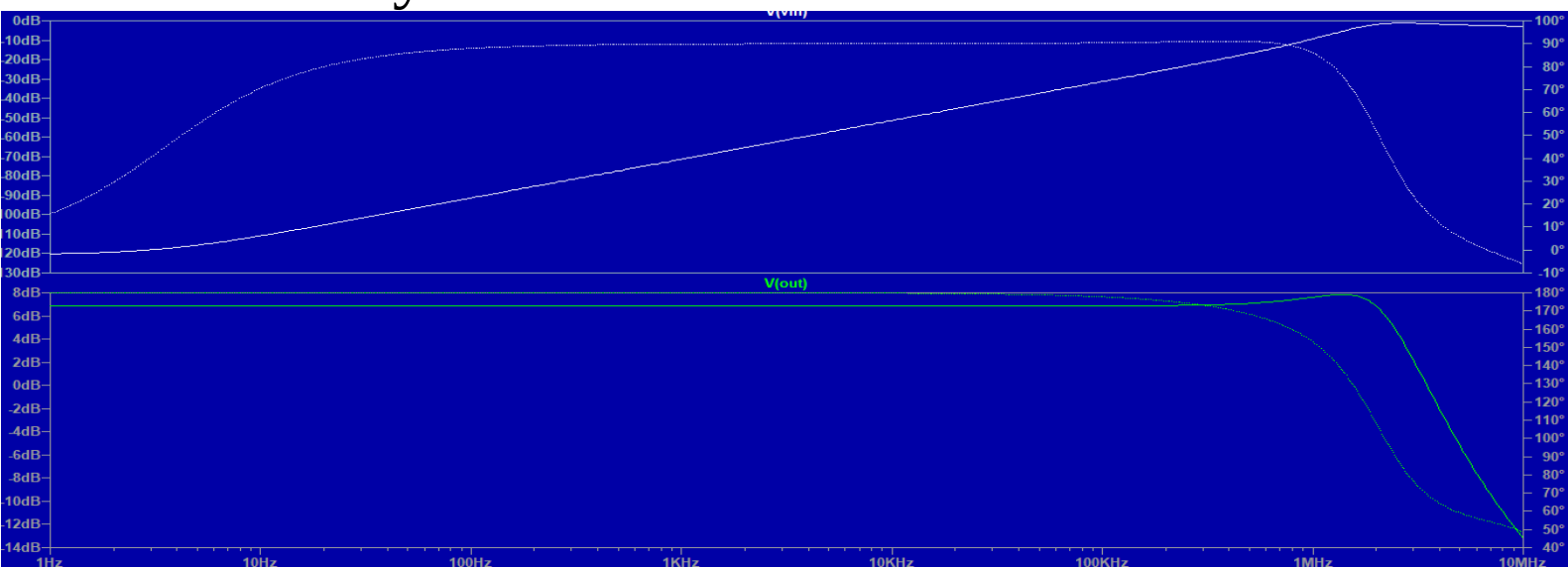
Inverting Amplifier



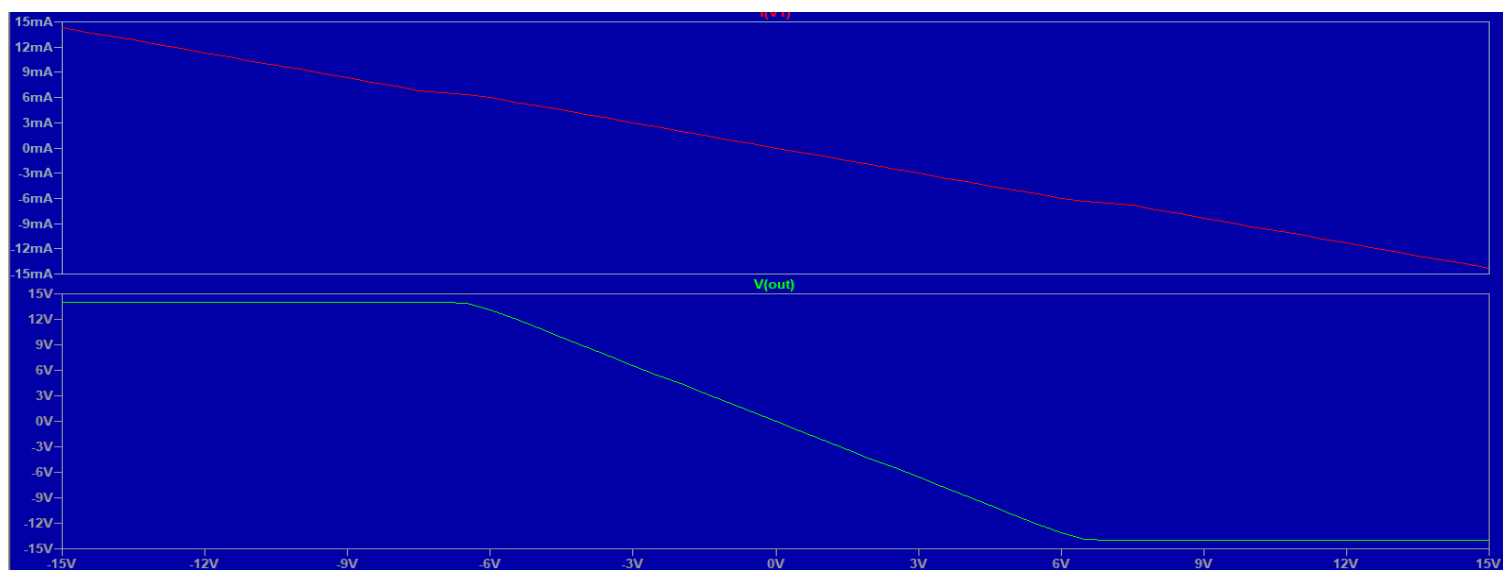
Transient Response



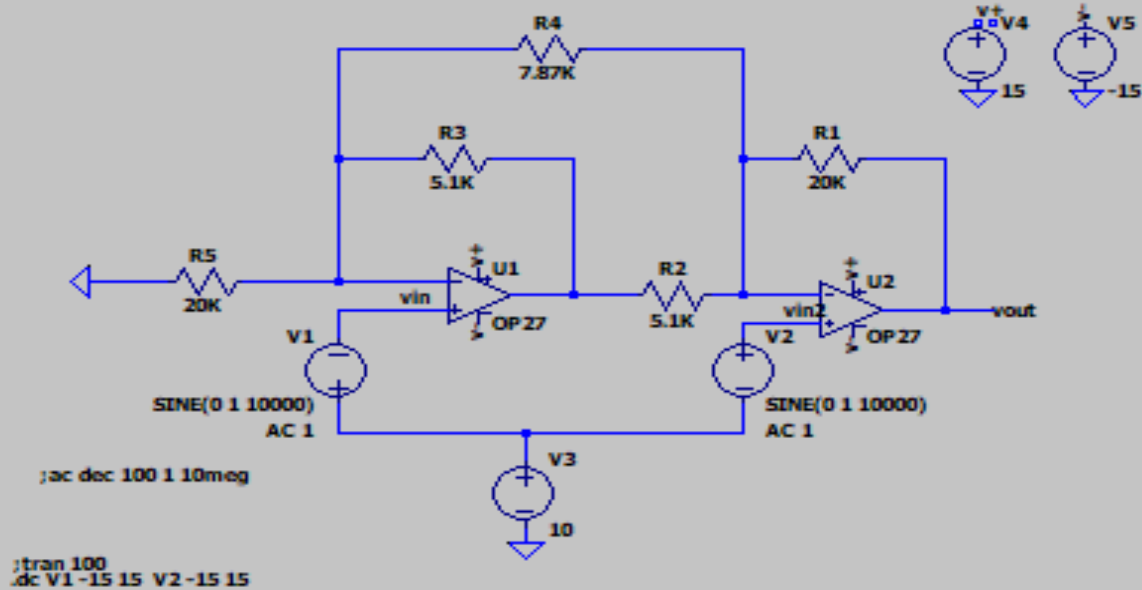
AC Analysis



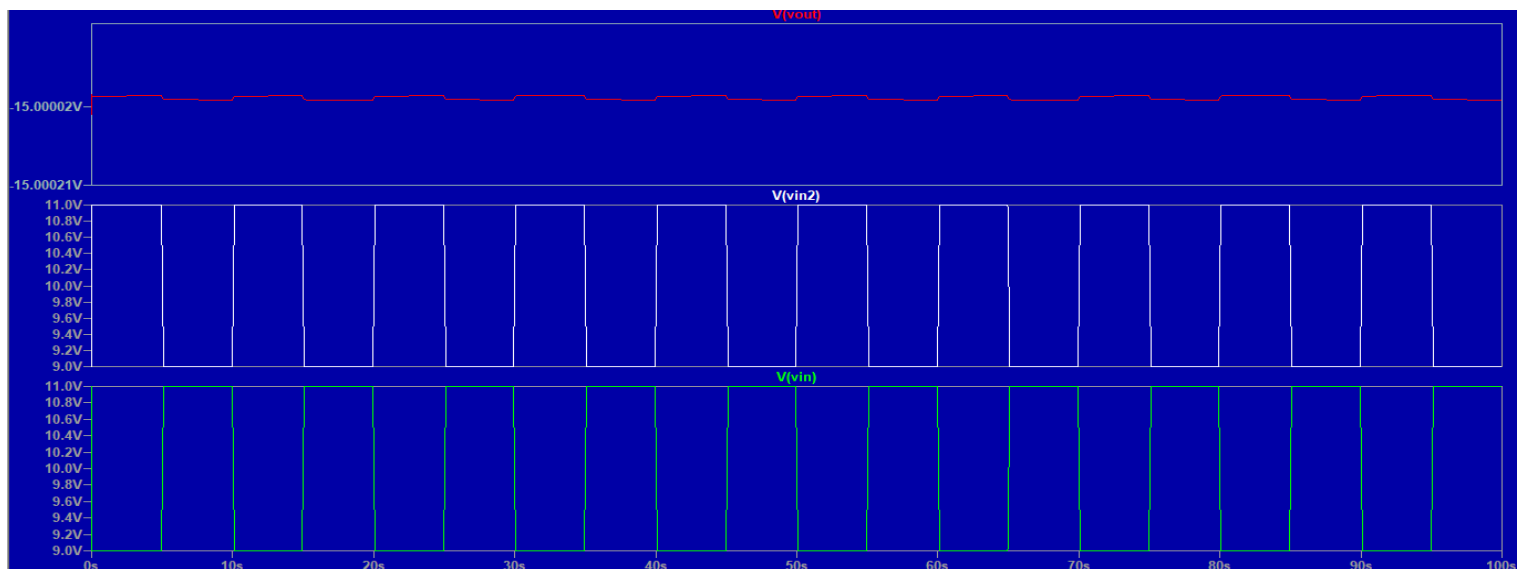
DC Transfer Characteristics



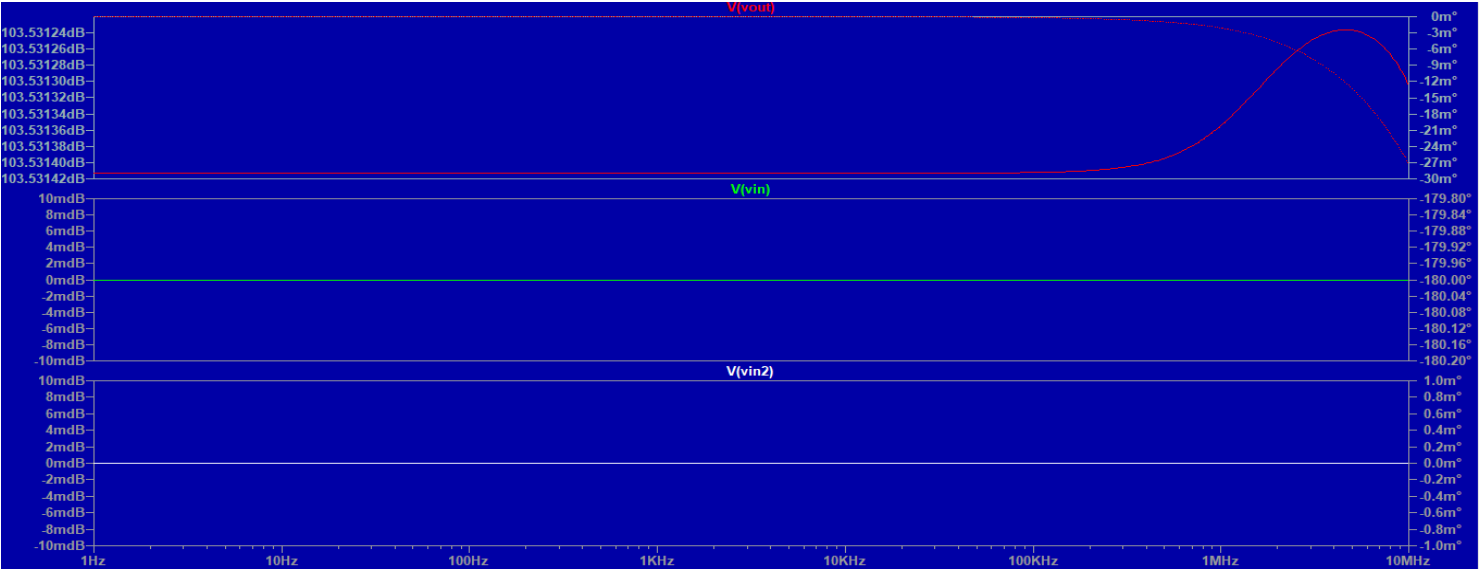
Instrumentation Amplifiers with three and two operational amplifiers



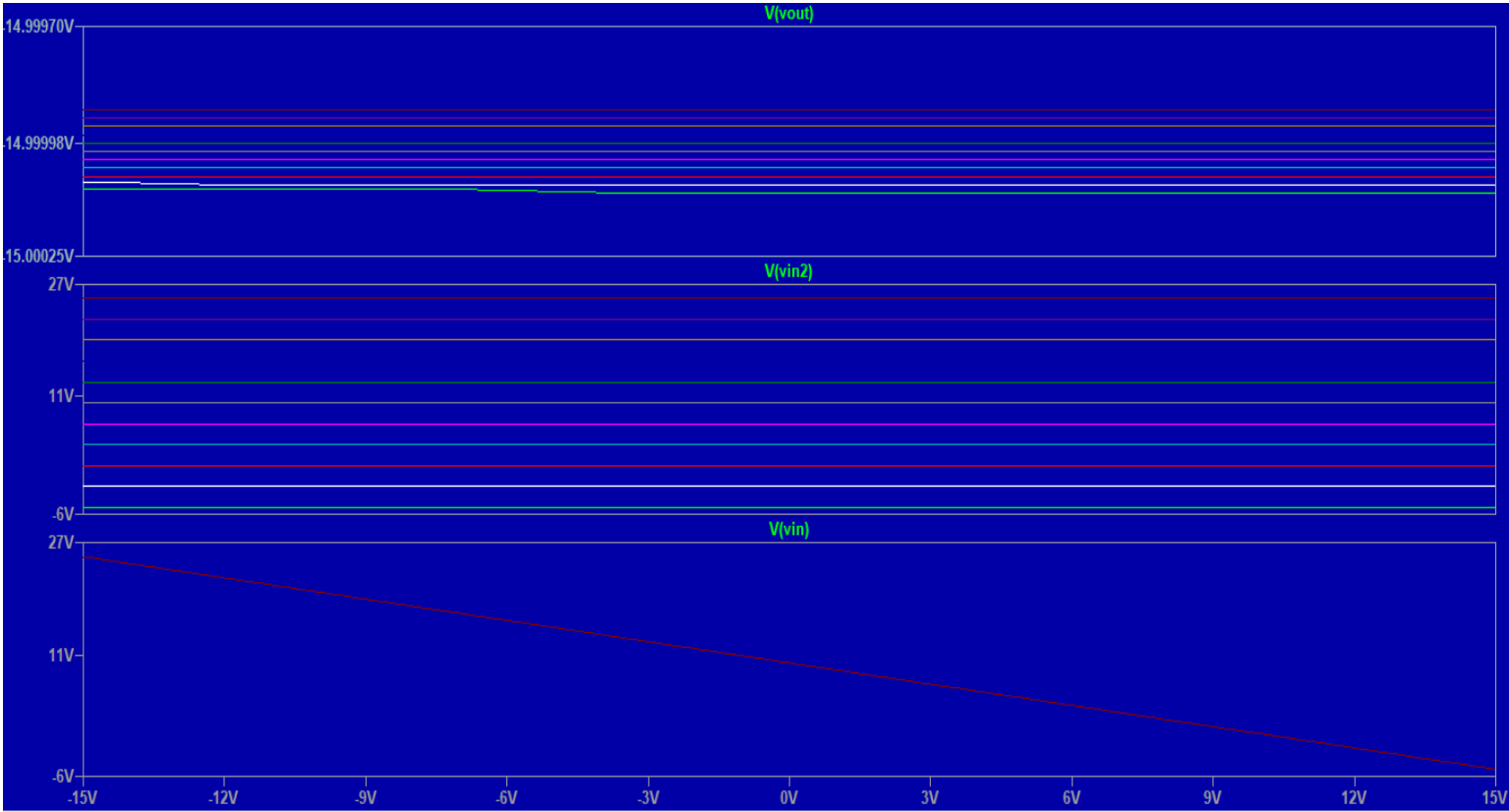
Transient Response

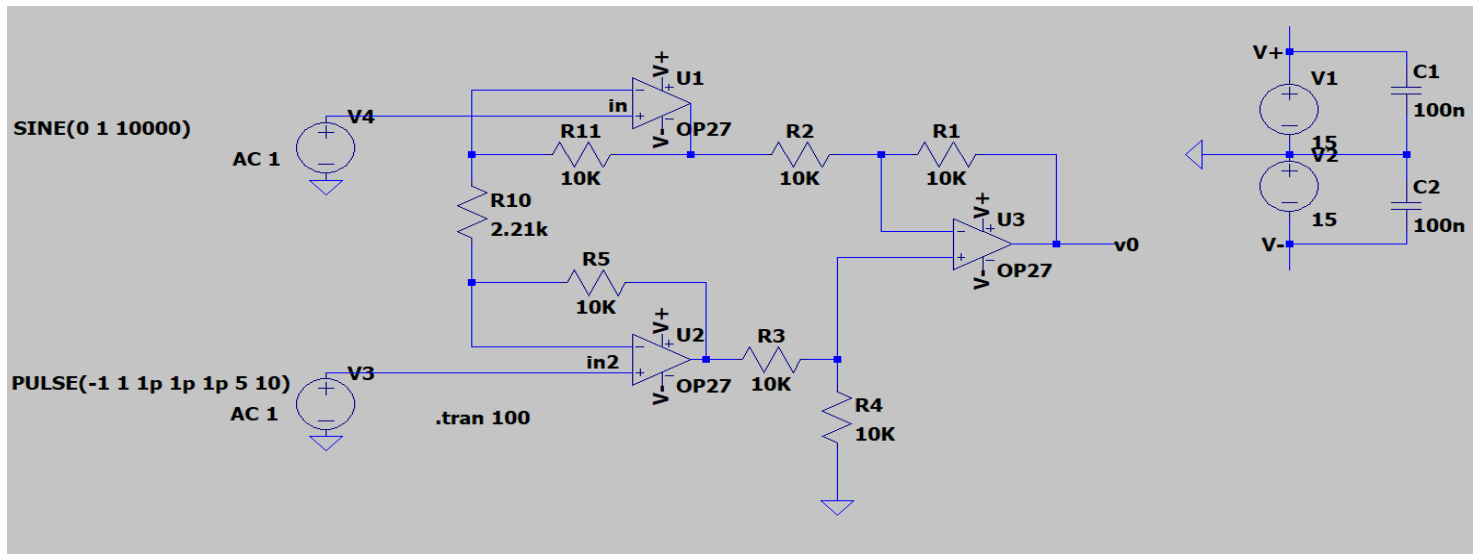


AC Analysis

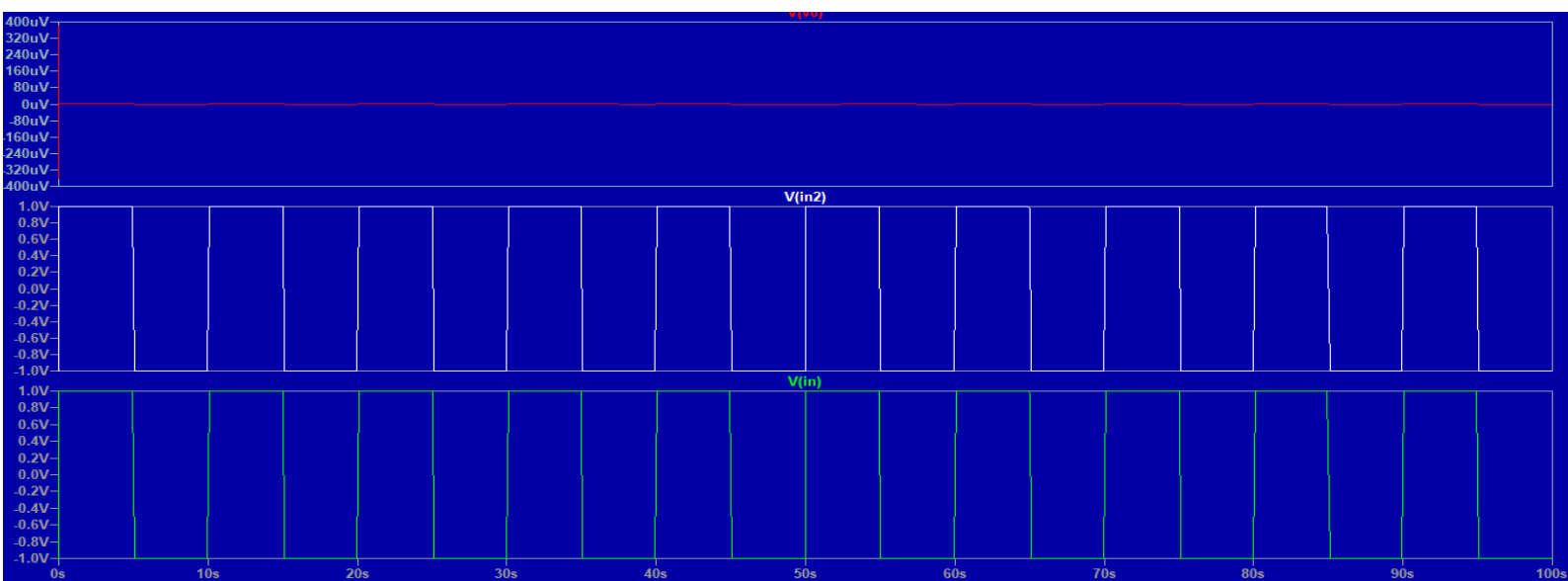


DC Transfer Characteristics

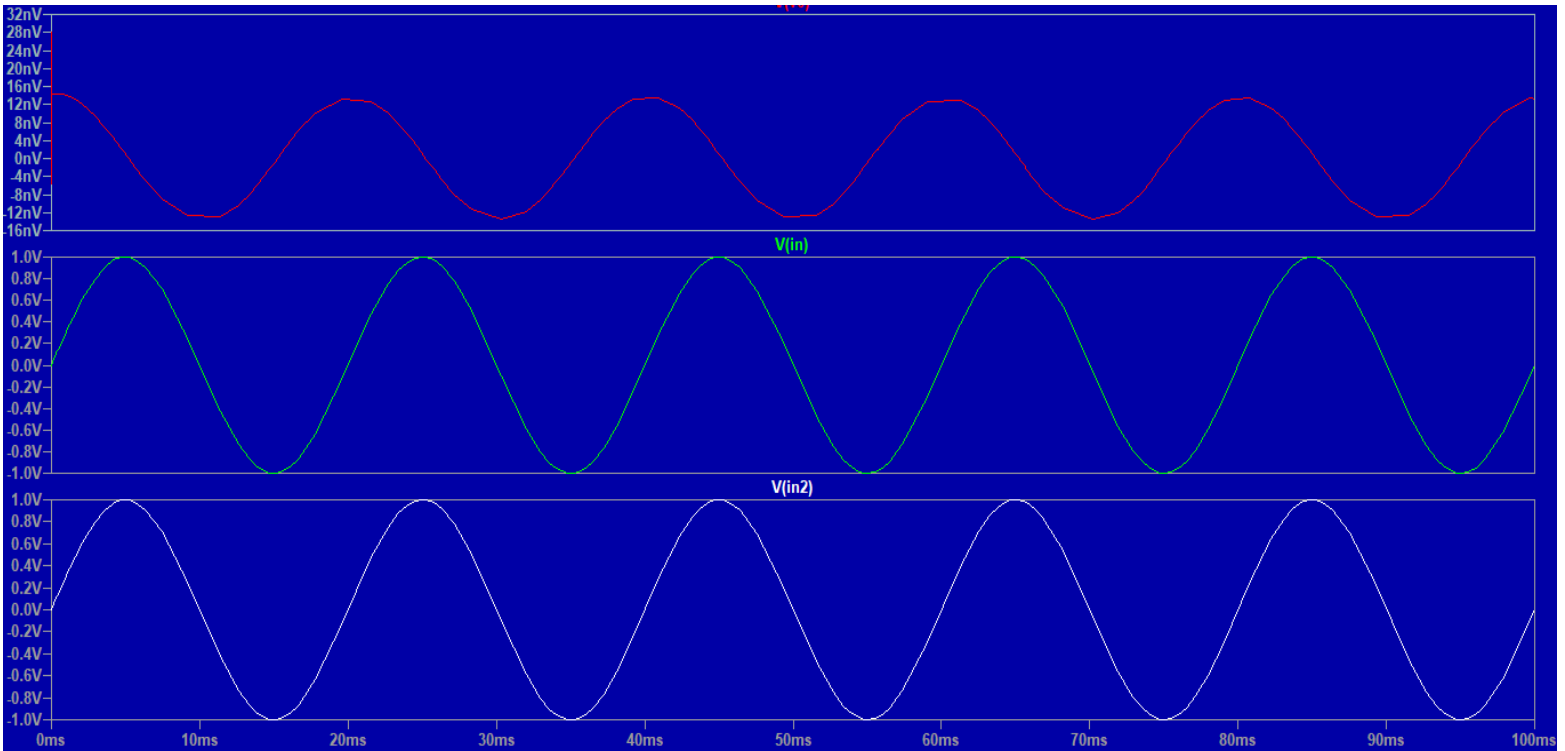




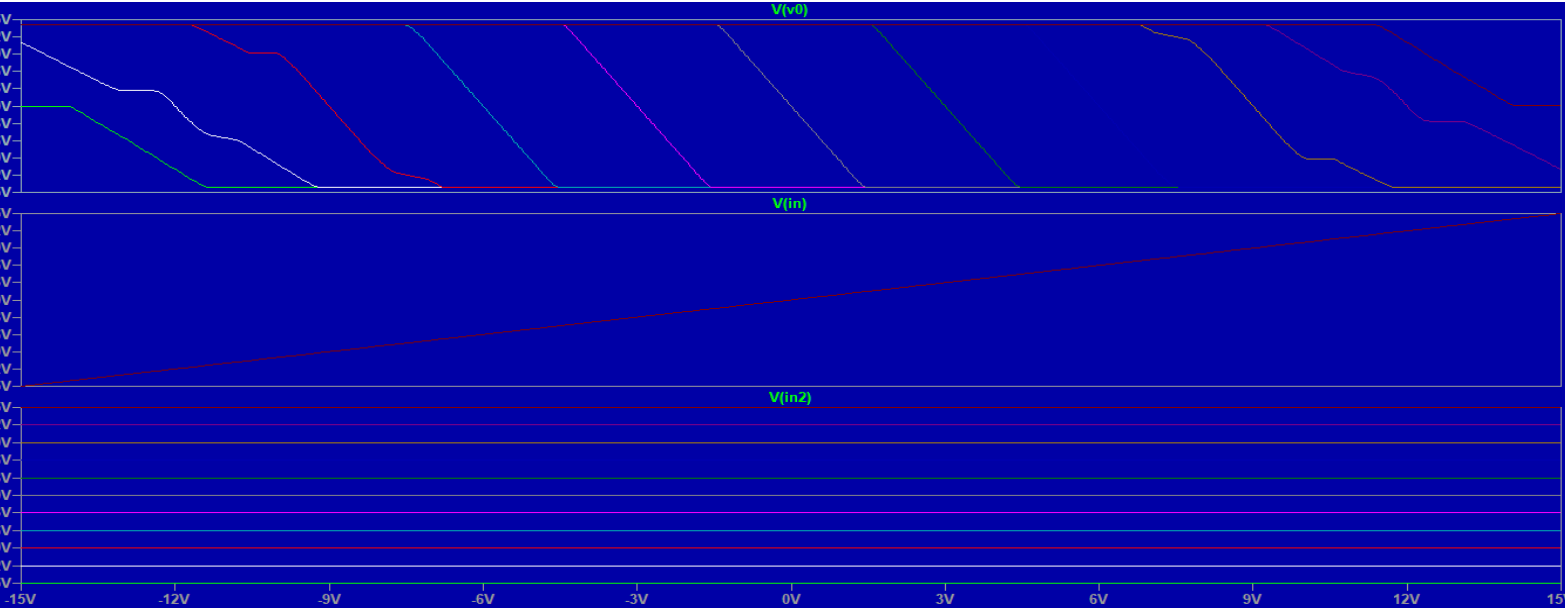
Transient Response



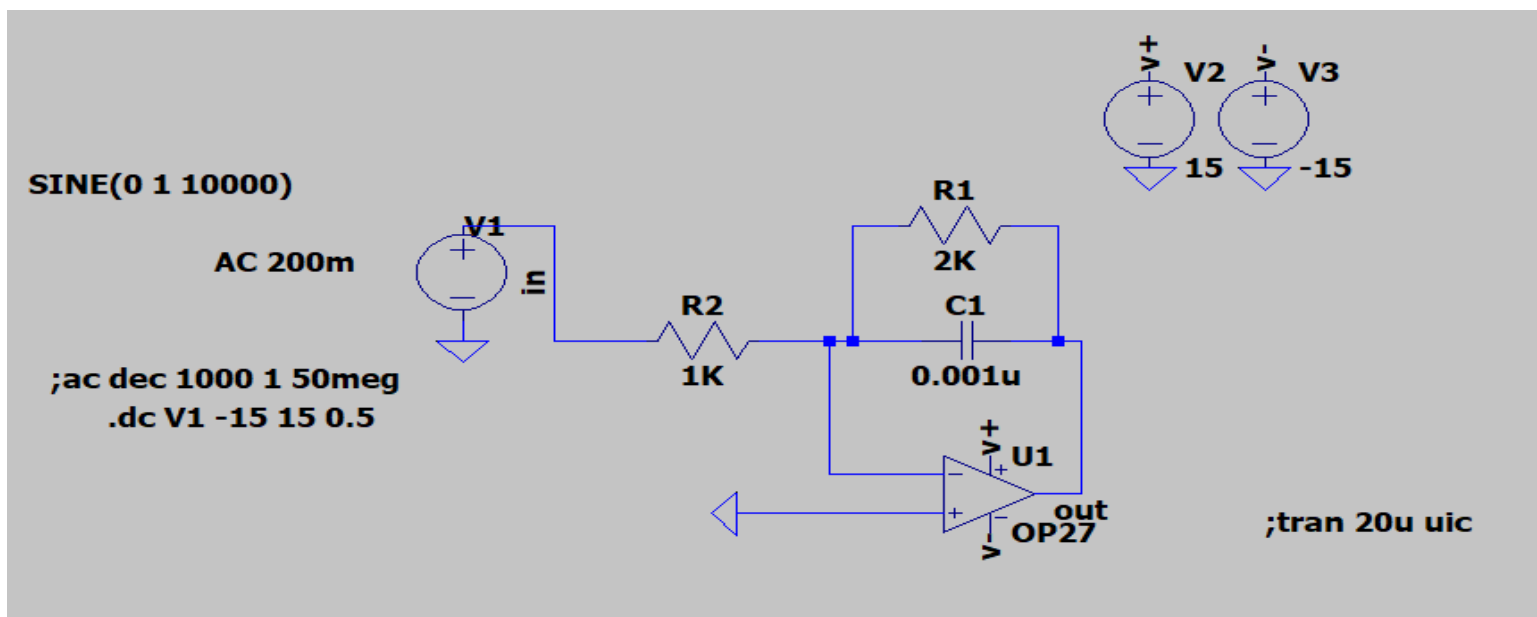
AC Analysis



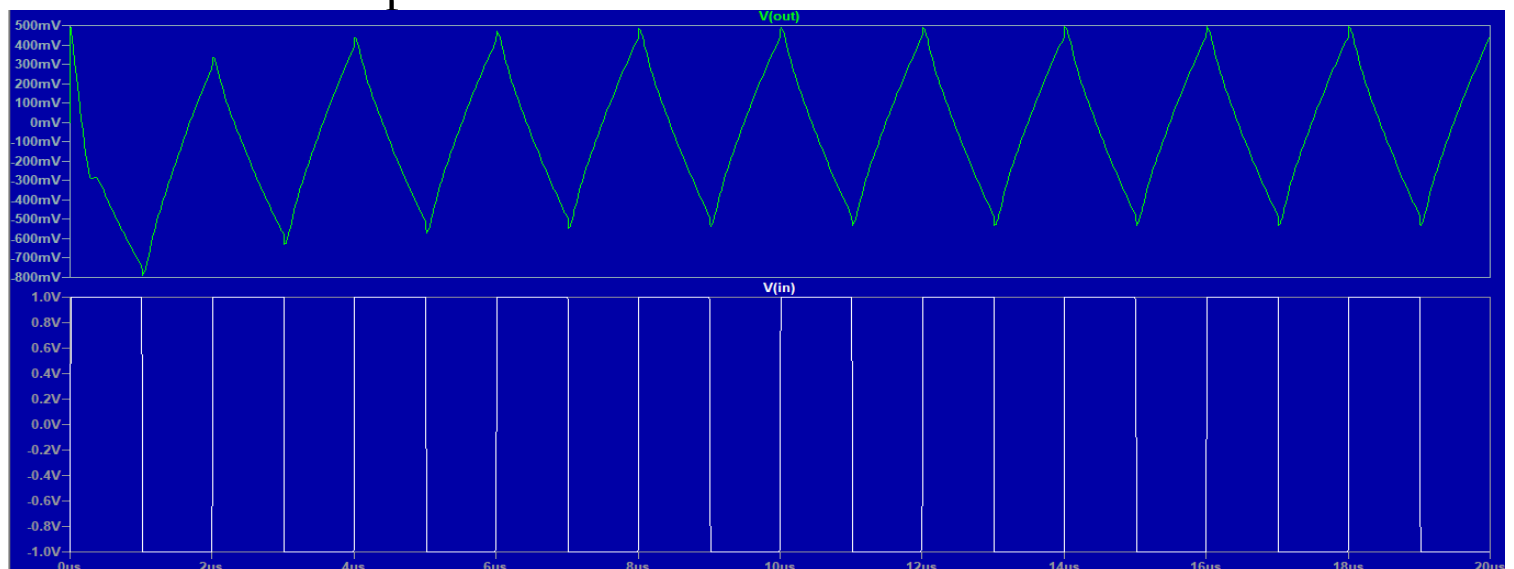
DC Transfer Analysis



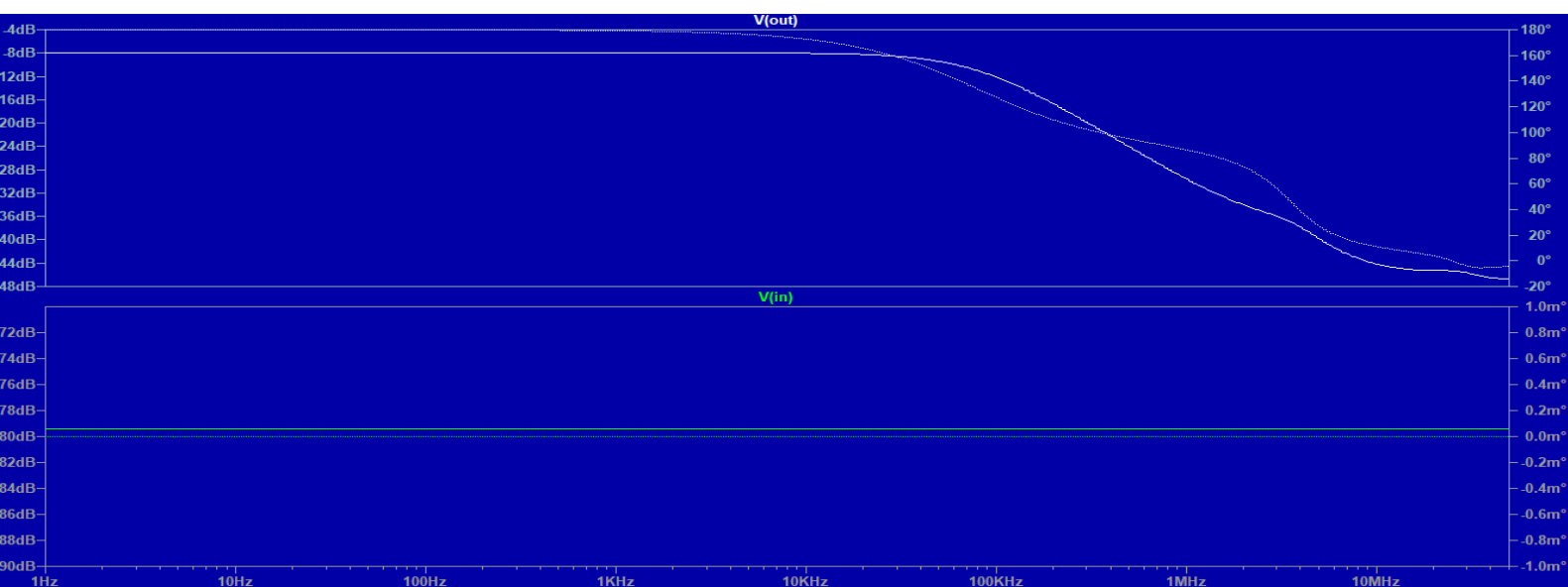
Integrator and Differentiator



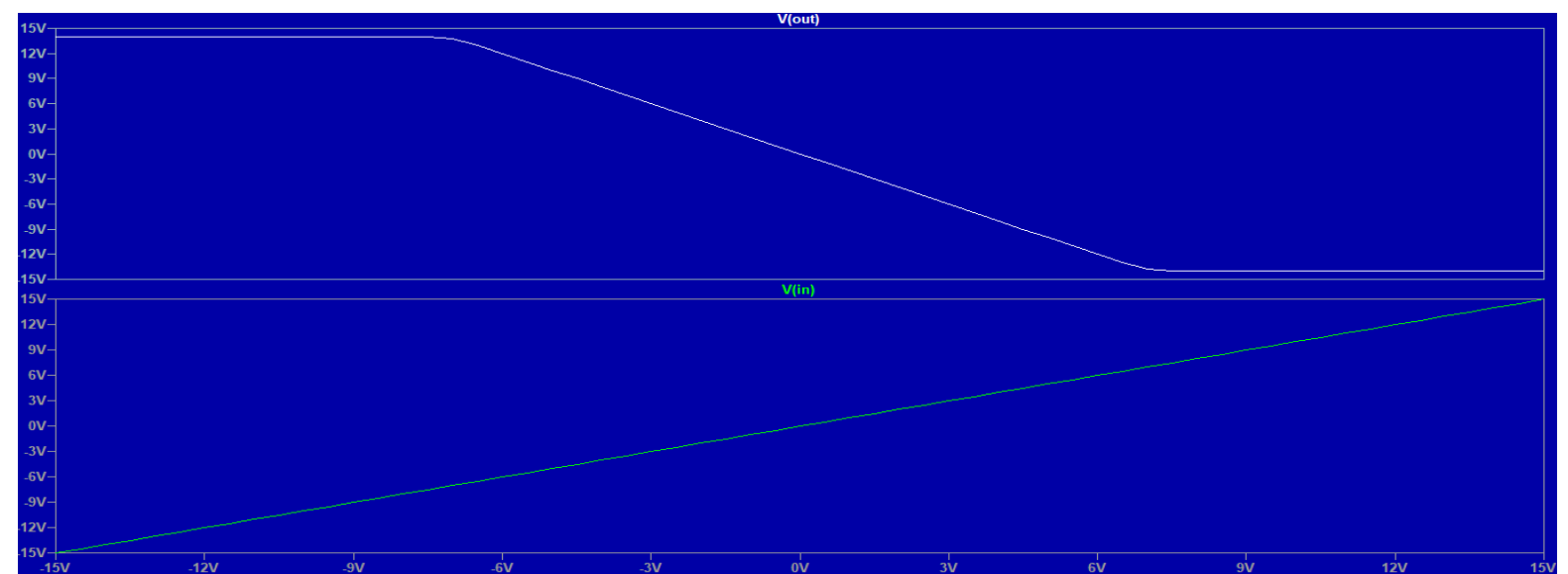
Transfer Response

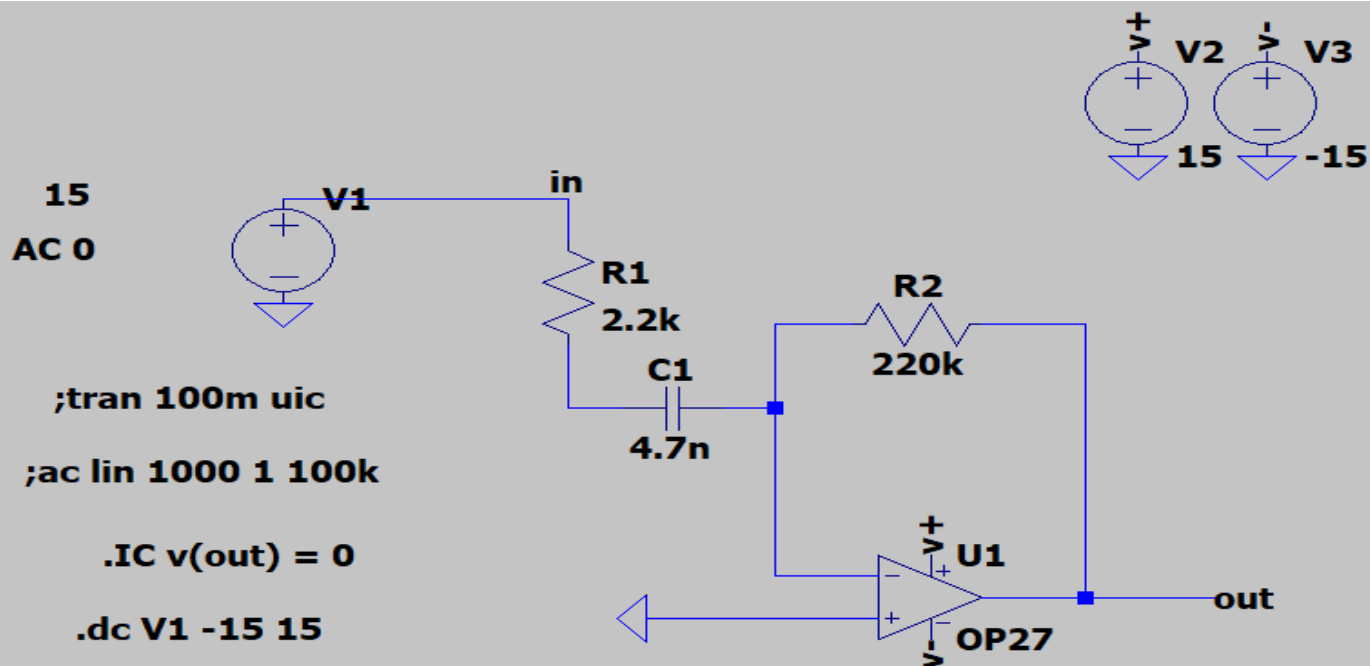


AC Analysis

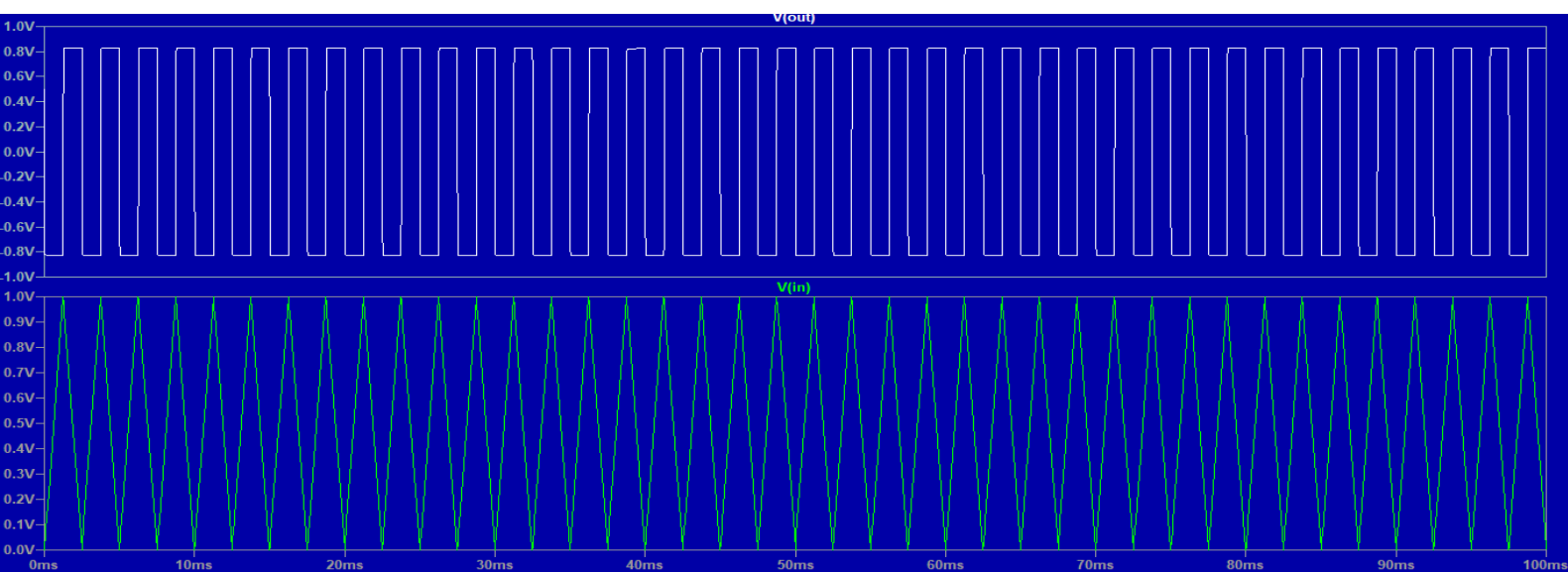


DC Transfer Characteristics

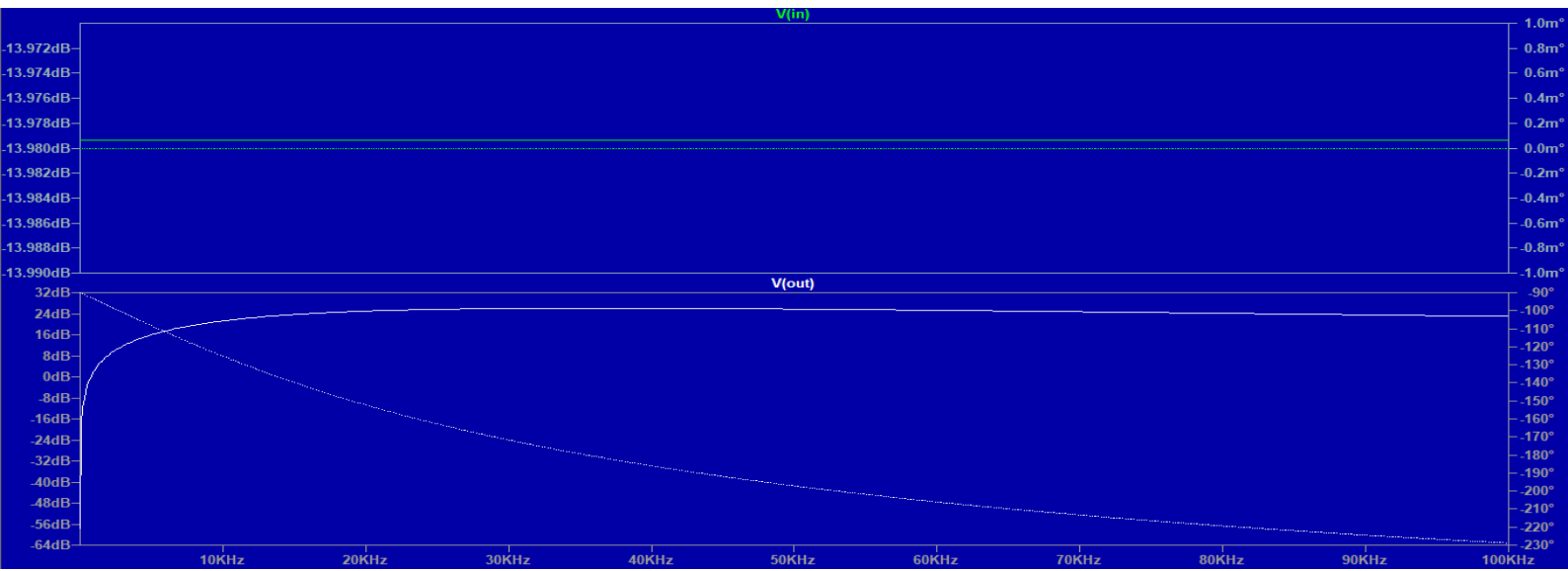




Transfer Response



AC Analysis



DC Transfer Characteristics

