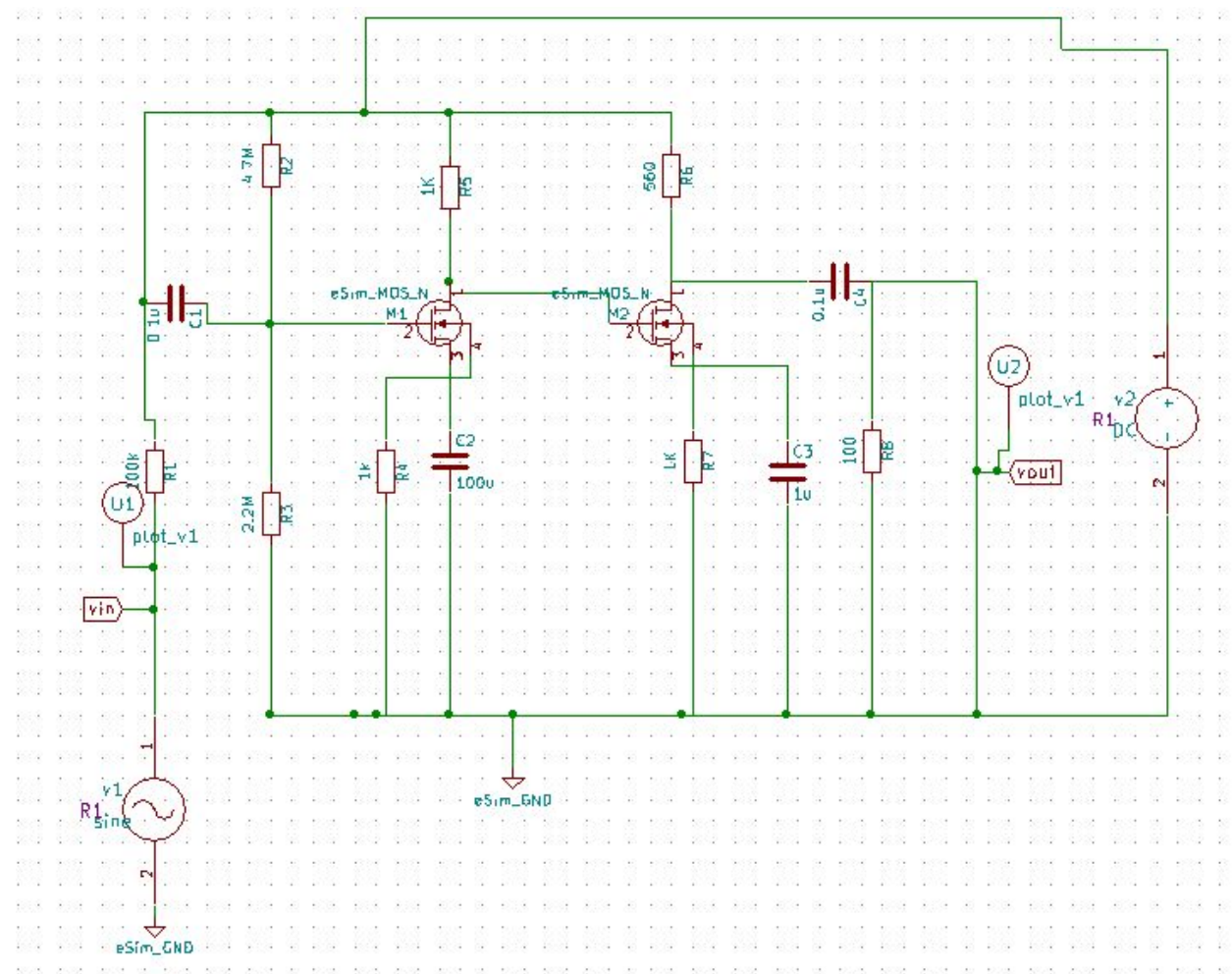


# MULTISTAGE MOSFET AMPLIFIER

## THEORY:

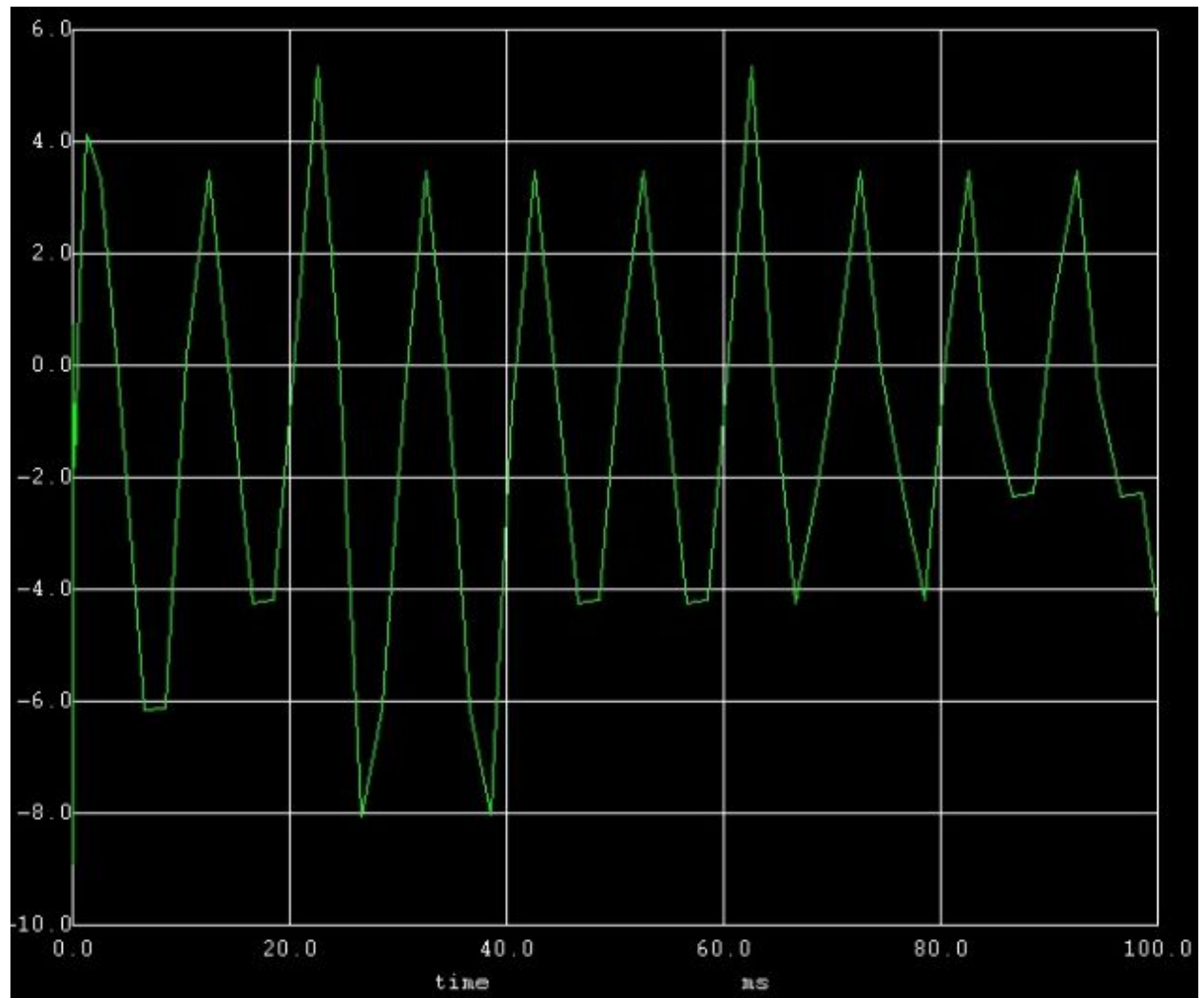
*In practical applications, the output of a single stage amplifier is usually insufficient, though it is a voltage or power amplifier. Hence they are replaced by Multi-stage transistor amplifiers. In Multi-stage amplifiers, the output of 1st stage is coupled to the input of the next stage using a coupling device. These coupling devices can usually be a capacitor or a transformer. This process of joining two amplifier stages using a coupling device can be called Cascading.*

## Circuit diagram:

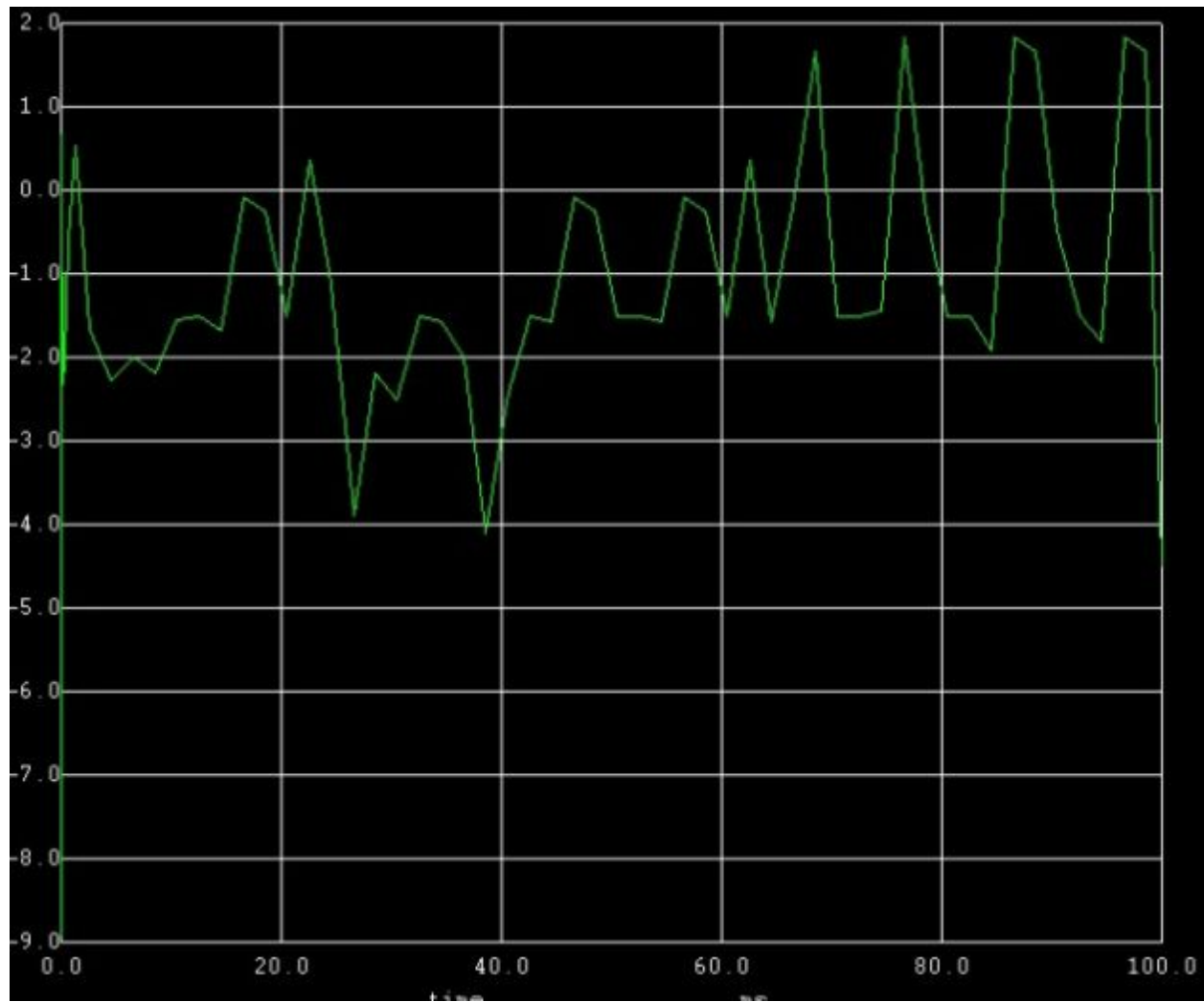


Ngspice plot:

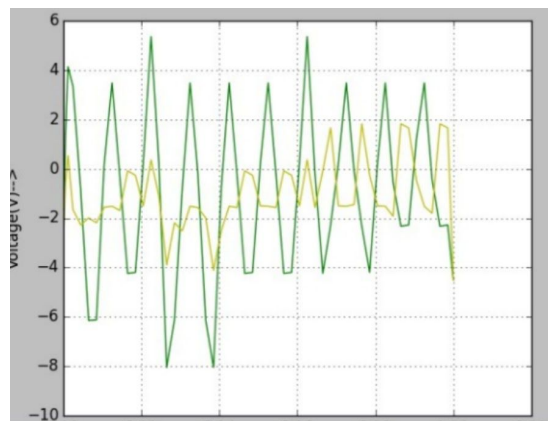
Input graph:



## Output



## Python Plot:



**Reference:**

<http://www.freeclassnotesonline.com/Multistage-Enhancement-Mode-MOSFET-Amplifier-Lab.php>