PELTZ OSCILLATOR

N.KRITHIKA, V.VISHNUPRIYAA – krithika283934@gmail.com
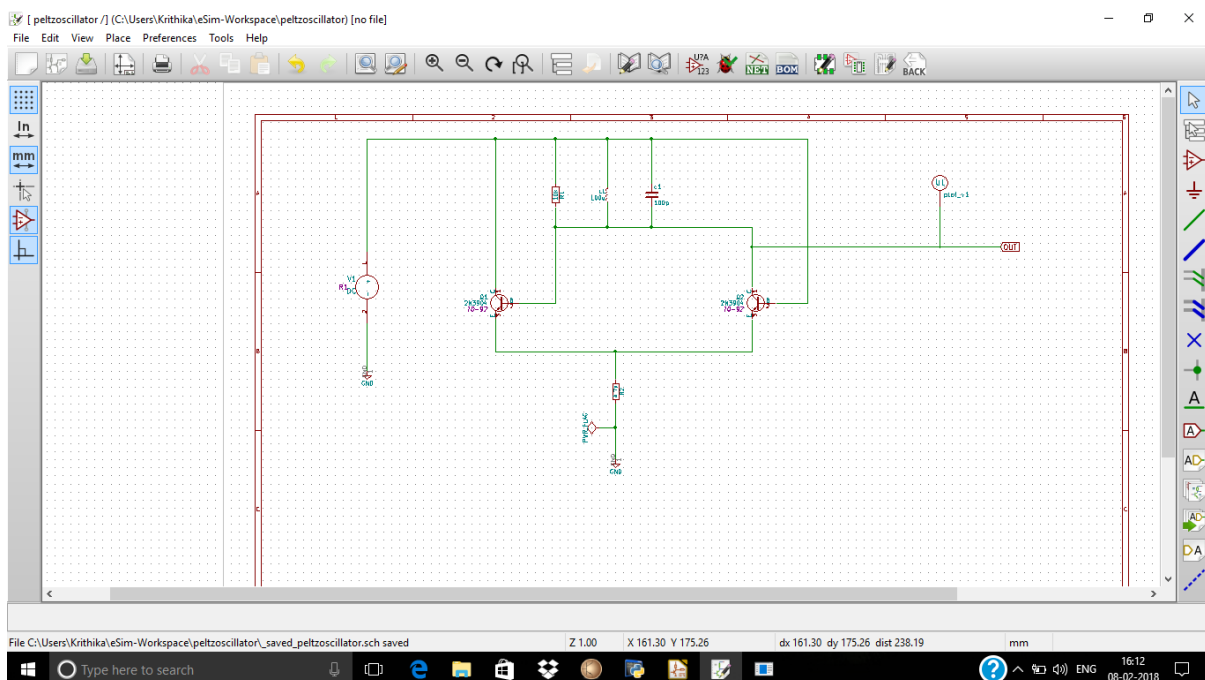
OBJECTIVE

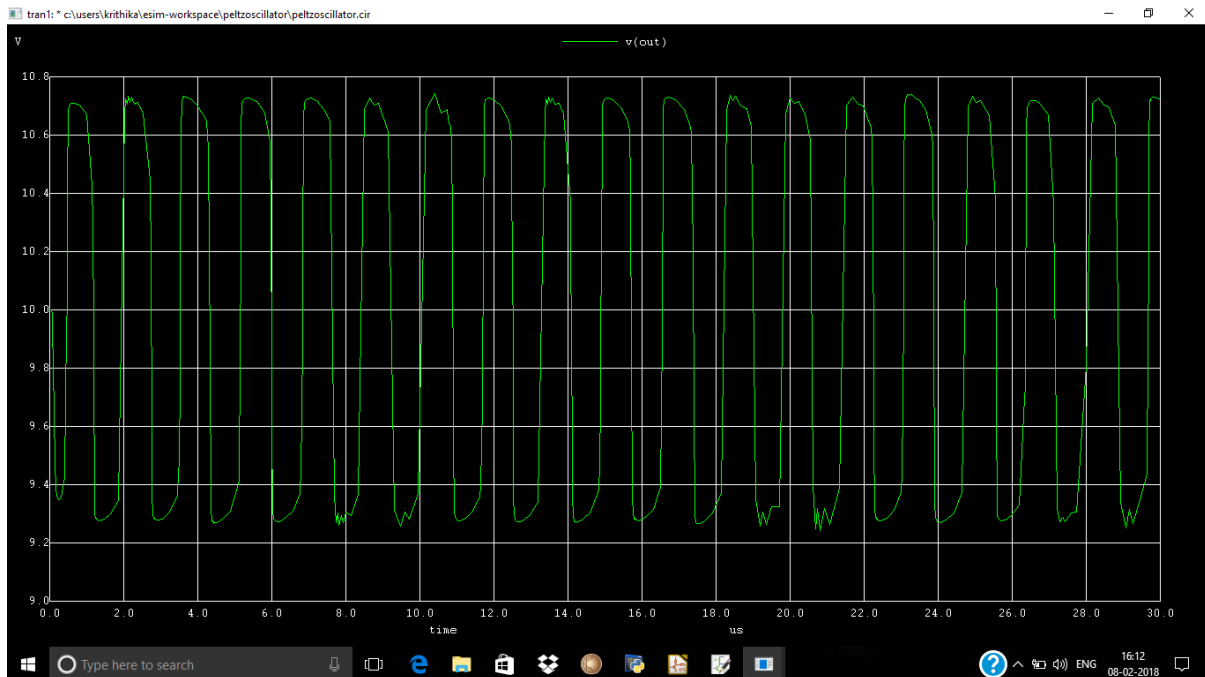To design a peltz oscillator and to verify the output.

INTRODUCTION

Unlike clap, colpitts and Hartley oscillator which have single transistor, the peltz oscillator uses two transistors. Here, the positive feedback which is required for oscillations is formed when the output of the emitter follower (emitter Q2) is connected back to the input of the common base stage at the emitter of Q1.
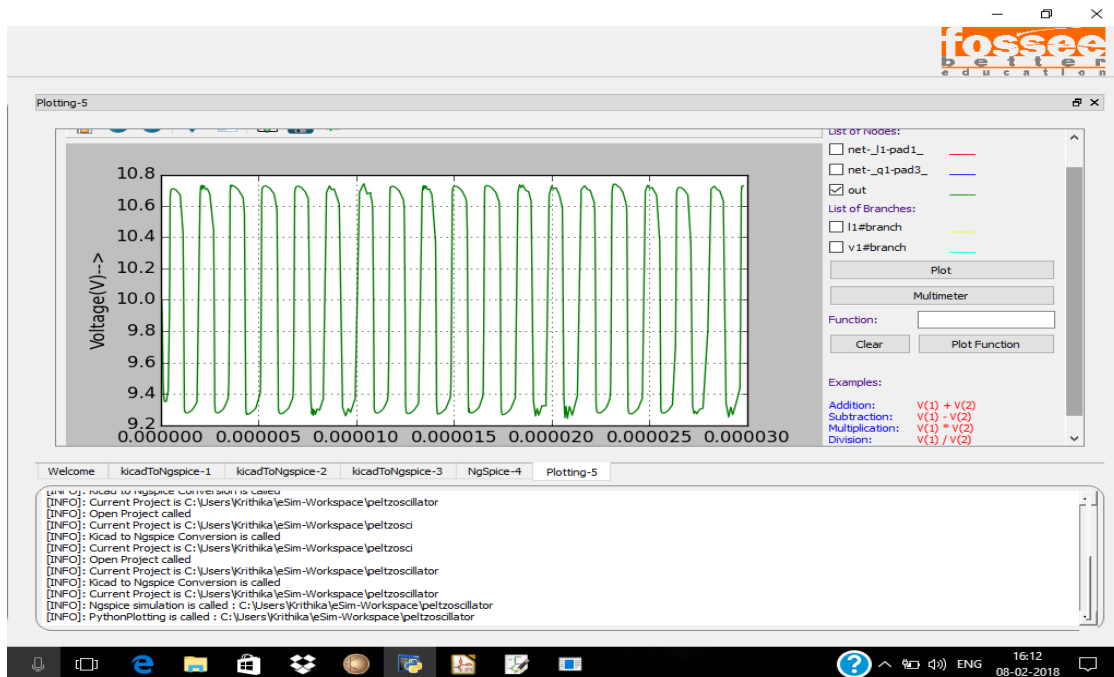
RTL SCHEMATIC:

Ngspice plot:

Python plot:

REFERENCE

http://www.stahuj.centrum.cz/podnikani_a_domacnost/vyukove_programy/quite-universal-circuit-simulator/nahledy/