Implementation of a three-phase inverter using python

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The main objective of this work is to exploit the capability of python for the simulation of power electronic circuits. The three-phase inverter is considered as an example.

The proposed subject deals with the implementation and validation of the three-phase inverter in open-loop mode as given by Fig.1. The load can be resistive (R), inductive (L) or inductive-capacitive (LC or LCL).
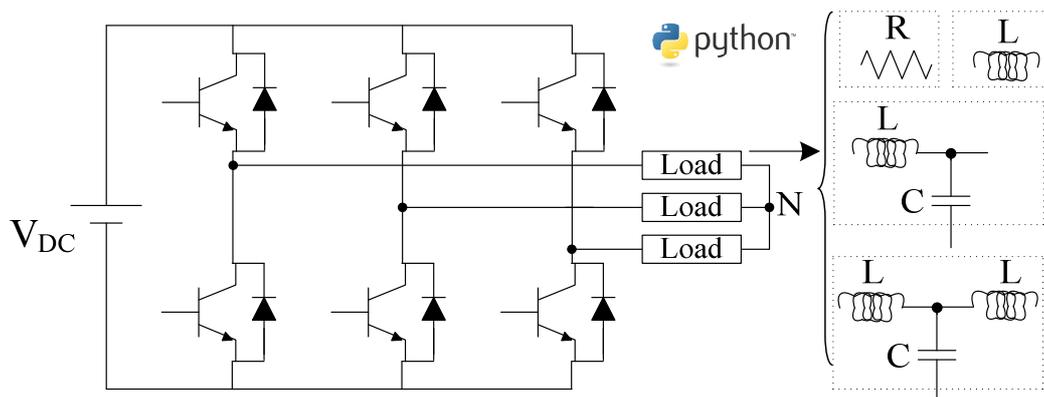

Fig.1. Three-phase inverter in open-loop mode

Website links:

Python Power Electronics:

https://www.youtube.com/channel/UCxVbKNK18A_a9Ohd0Kb7kNA/videos

http://pythonpowerelectronics.blogspot.com/2015/11/phase-locked-loop.html

https://www.pythonpowerelectronics.com/contents/casestudies.html