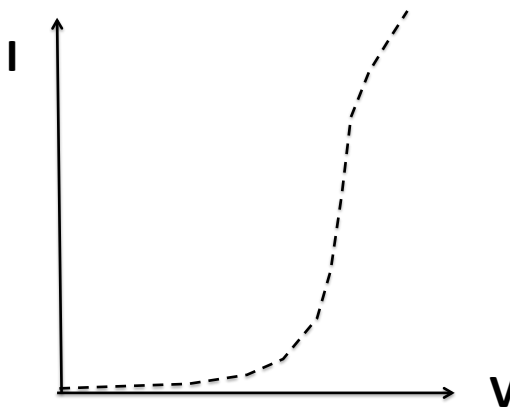


Initial (opening) Question*:

Semiconductor devices are mostly non-linear. So why do we want to linearize them?

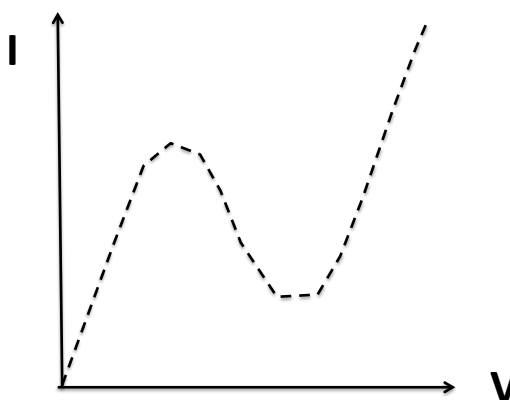
Next part*:

Given the I-V curve for a non-linear (two terminal) device, how would you linearize it (particularly “piece-wise linear”), how would you bias it to operate at a given point (i.e. a real circuit) and generally about the behavior of both the non-linear device and the linearized model.



Final Question*:

Now consider that the non-linear device is as follows. Basically, repeat the analysis and questions from the simpler version from above.



*Footnote: Answers are not given to my Qualls Questions. These are for the students to ponder and to discuss, amongst themselves.