



UNIVERSITY OF WASHINGTON

BEE331 LAB 2.1

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# Characterising Diodes; I-V Curve

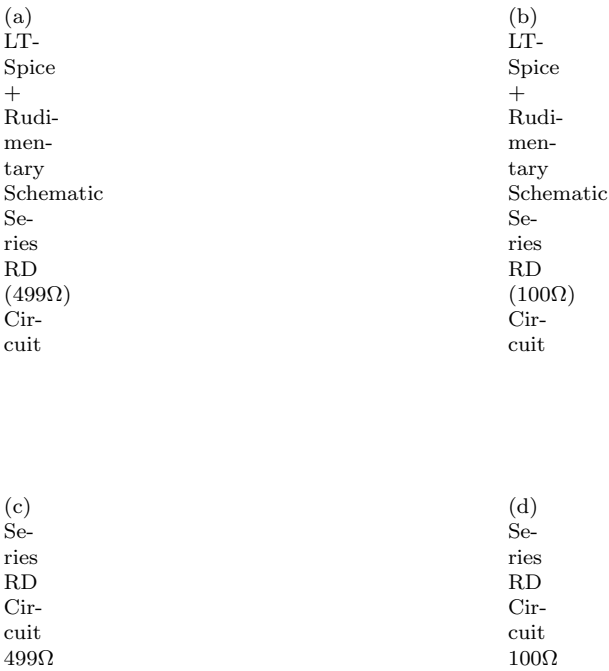
## Design Objective

In this lab, we introduce ourselves to the diode, we characterise its function by the I-V curve.

## Circuit Design Outline

With a resistor of an arbitrary impedance greater than  $100\Omega$  ( $R \geq 100\Omega$ ), and the natural impedance of the Function Generator in series ( $R_{TOT} = R_{FG} + R \geq 150\Omega$ ), the (1N4148 silicon) diode is set in series to forward-bias from the function generator. Set the function generator @ f=1kHz and  $V_P = 5V$ .

Figure 1: Series R + Diode



Addendum Pages

Figure 1: Jason Truong Addendum

## Bibliography

### Cited:

- Lab 1 Manual
- Sedra, Adel, and Kenneth Smith. Microelectronic Circuits. S.L., Oxford Univ Press Us, 2019.



(a) Penance.