6. Tandem Solar cells

- 4-Terminal Devices
- Integrate current contribution for "filtered cell" from EQE spectrum using NREL AM1.5G spectrum
- How thick would the top cell have to be in order to achieve current matching? (scale both EQE to obtain the same current from both subcells)
 - Assume following simplification for current contributions:
 P3HT*x = KP115filtered + (KP115-KP115filtered)*(1-x)
- Combine IV curves of single cells to tandem cell using the thickness correction factor x for current contributions discuss effect on Voc, Jsc, FF



