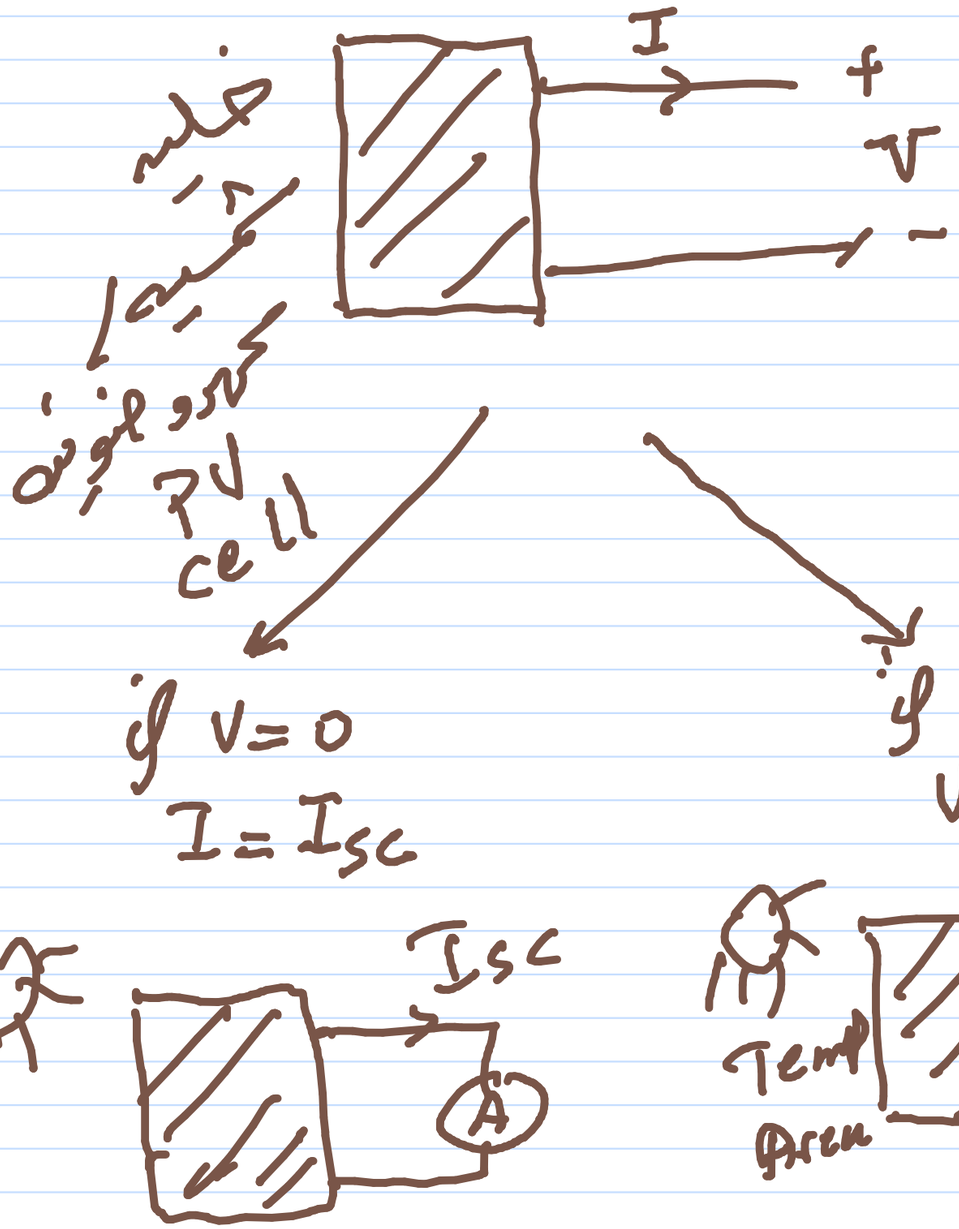
# ENEE5307

14/4/2021



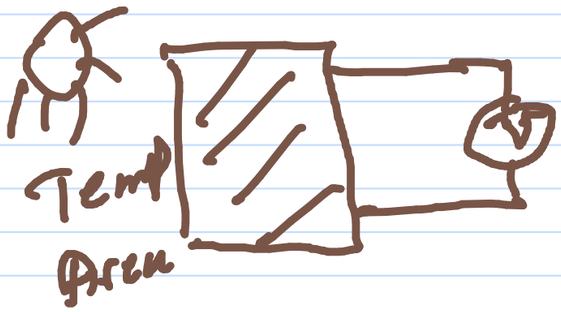

if V=0

$I = I_{sc}$

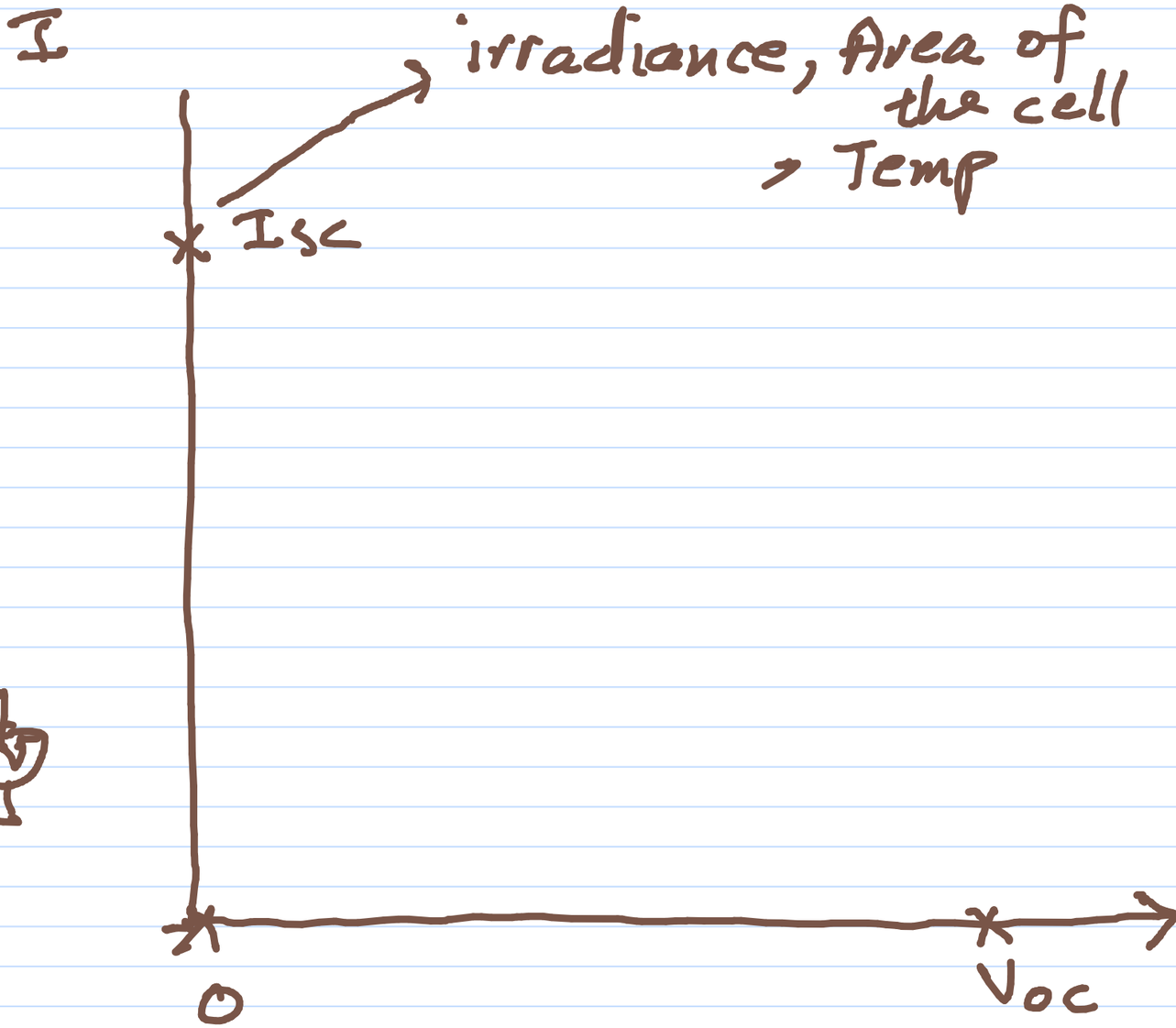
if I=0

V = Voc

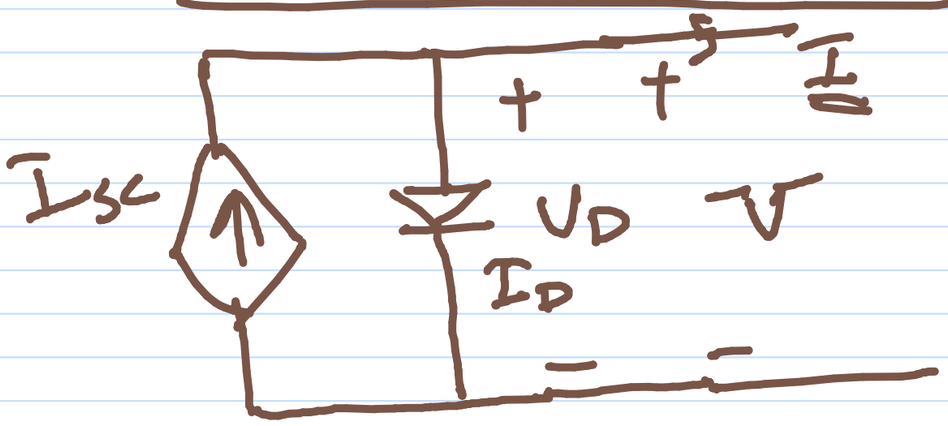


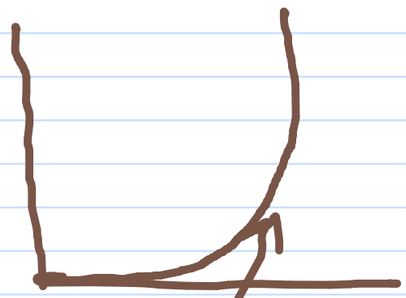

The main characteristic is I-V curve



## 1) Simple Equivalent circuit



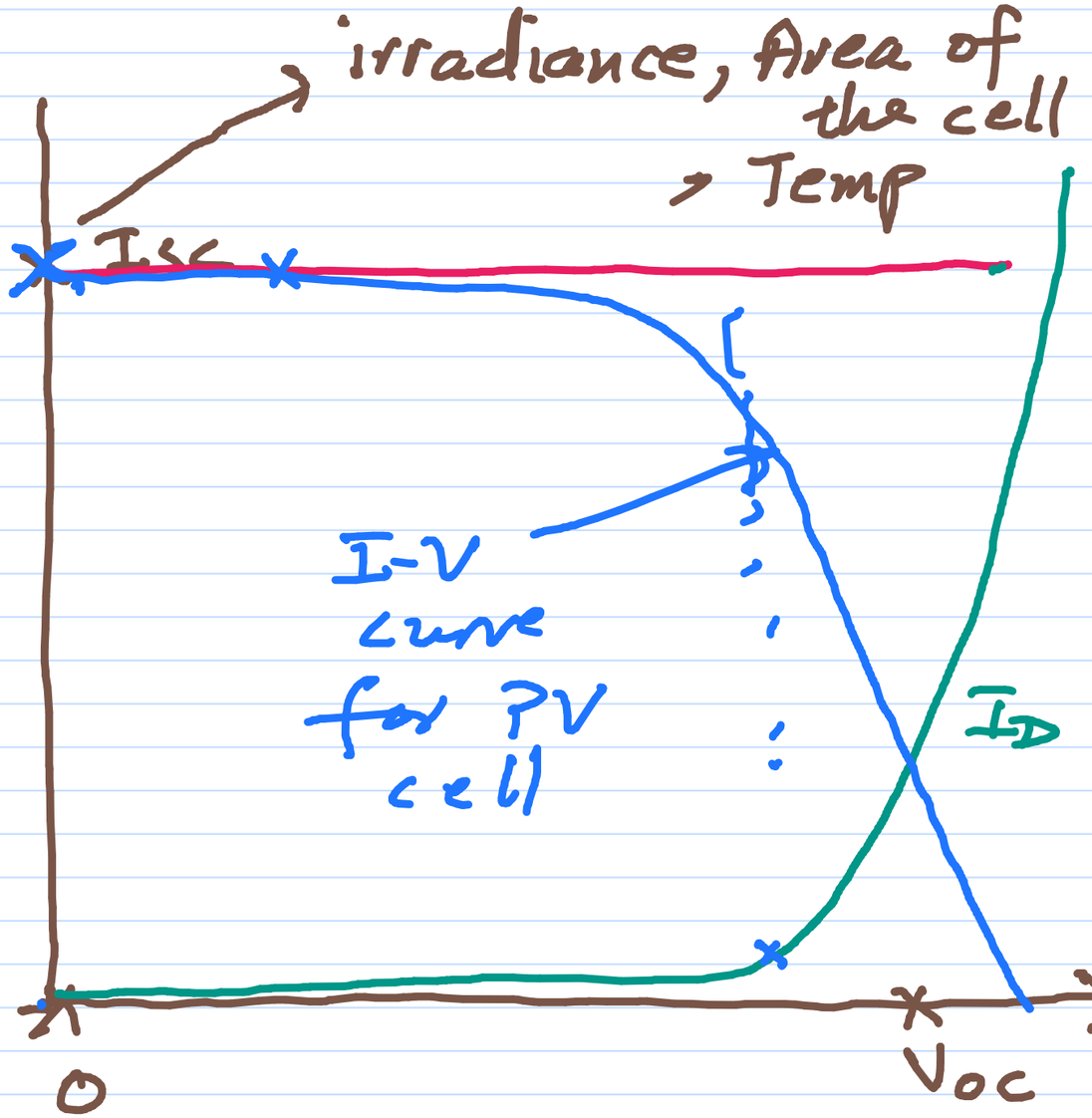

$I_D = f(V_D)$ → exponential



$I = I_{sc} - I_d$

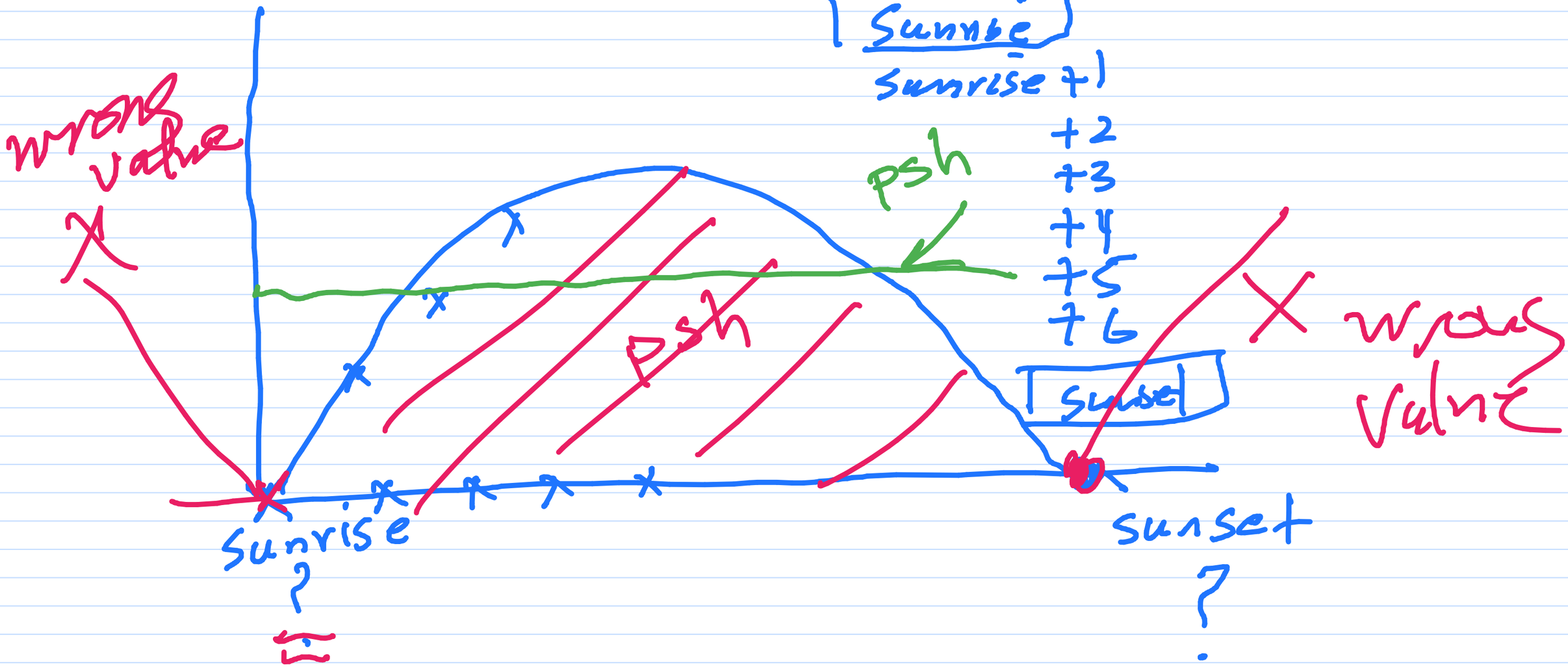
$= const - I_D$

The main characteristic is I-V curve



# Project

for each $n$, $L$ = Latitude, $\phi_c = 0$

$n = 1$ $\quad = 32°$

↓ Clear Sky irradiance