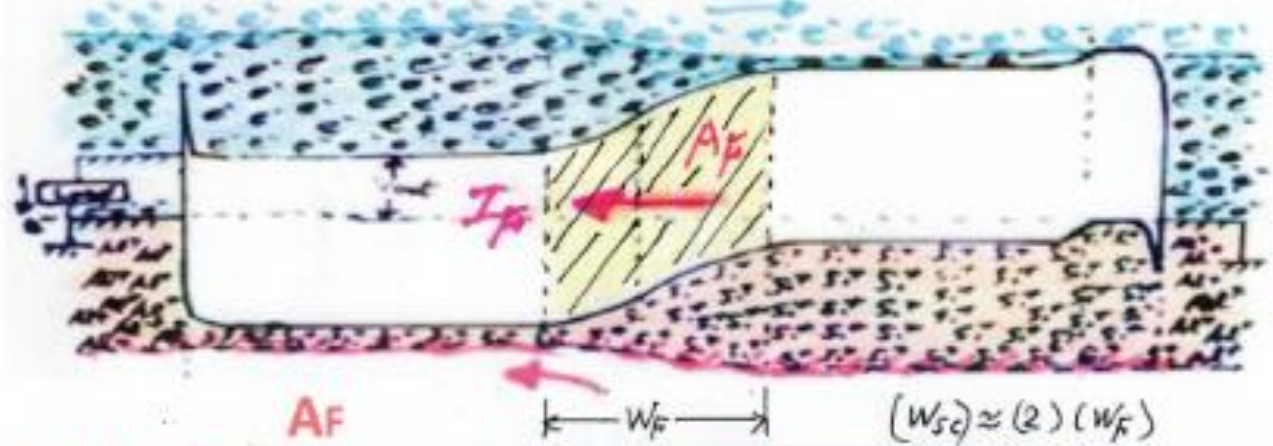


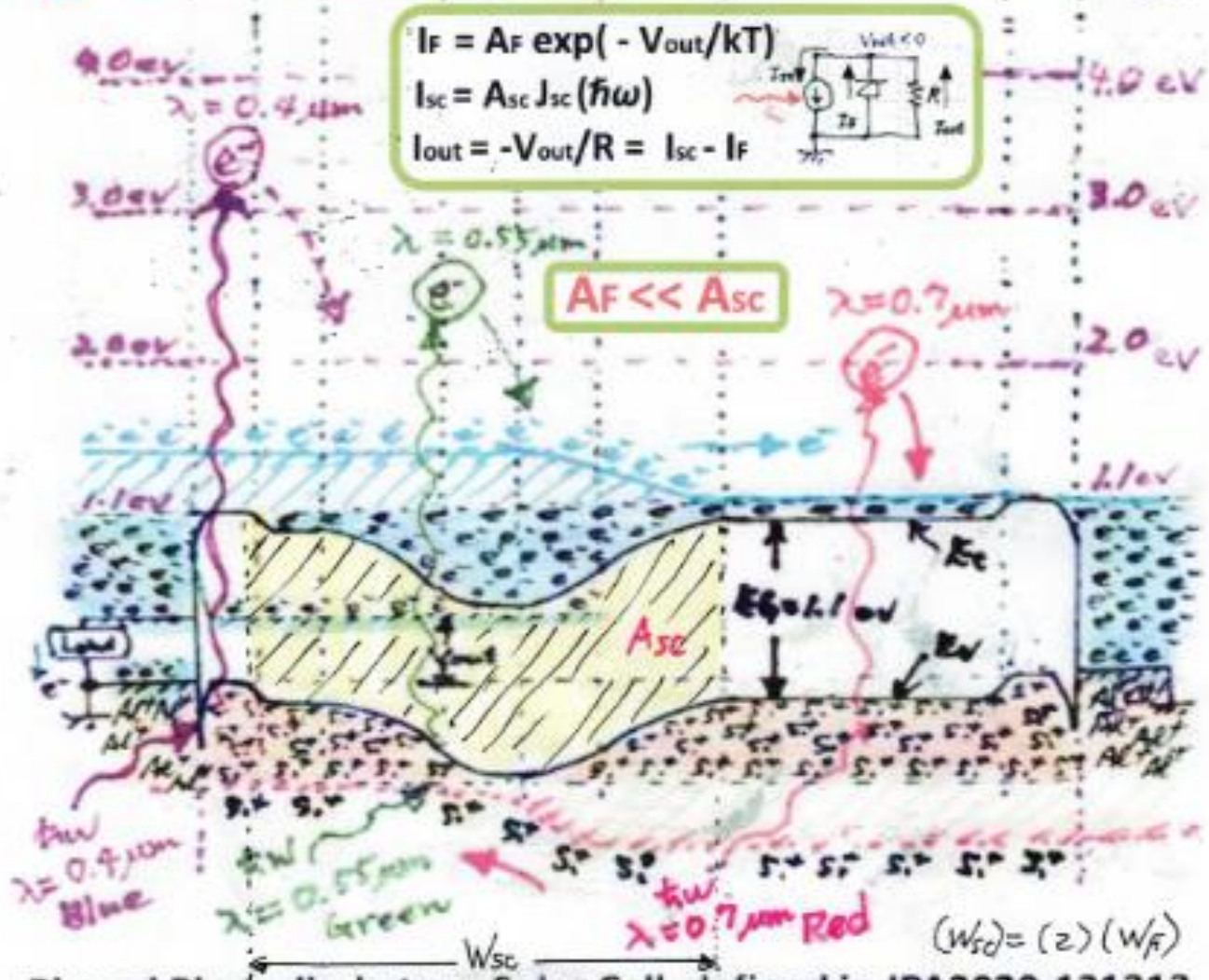
Conventional N+P Single Junction Diode with Forward Bias



$$I_F = A_F \exp(-V_{out}/kT)$$

$$I_{sc} = A_{sc} J_{sc}(h\nu)$$

$$I_{out} = -V_{out}/R = I_{sc} - I_F$$



Pinned Photodiode type Solar Cell defined in JPA2020-131313
 filed on August 1, 2020 by Yoshiaki Hagiwara