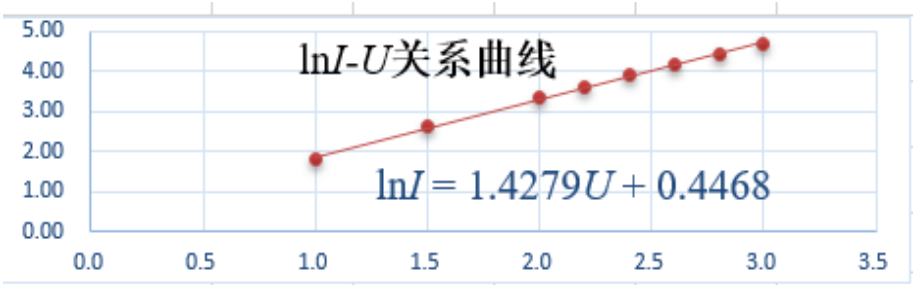
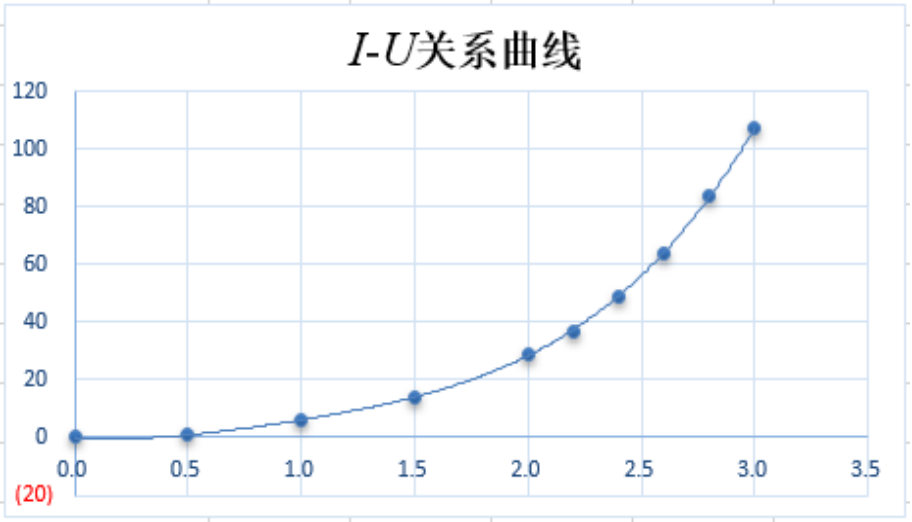
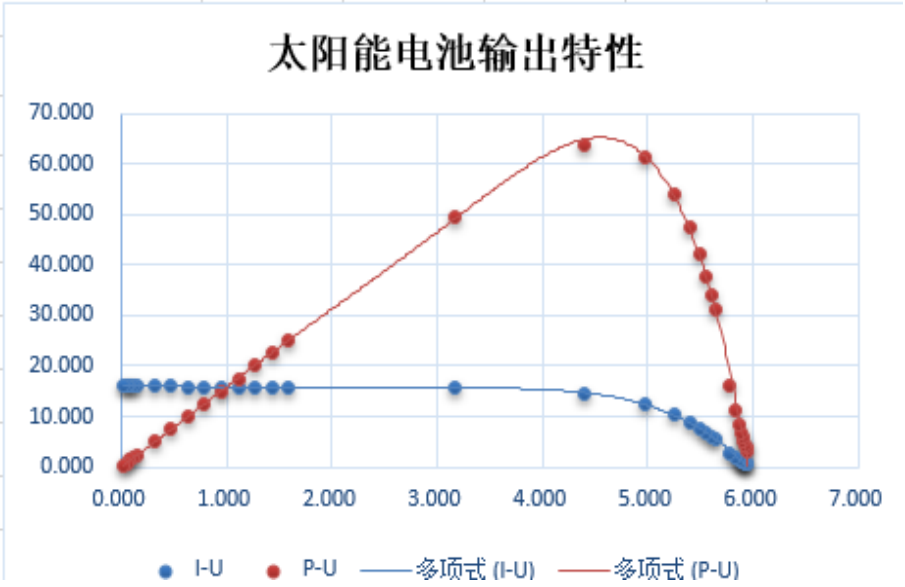


$$\beta = 1.4279 \quad I_0 = e^{0.4468} = 1.5633$$





$$FF = \frac{P_{\max}}{I_{sc}U_{oc}} = \frac{63.8}{5.95 \times 16} = 0.67$$