$$W_{eff}' = W_{drawn} - 2dW'$$

$$dW = dW' + dW_g V_{gsteff} + dW_b\left(\sqrt{\Phi_s - V_{bseff}} - \sqrt{\Phi_s}\right)$$

$$dW' = W_{\text{int}} + \frac{W_l}{L^{W\ln}} + \frac{W_w}{W^{Wwn}} + \frac{W_{wl}}{L^{W\ln} W^{Wwn}}$$

$$dL = L_{\text{int}} + \frac{L_l}{L^{L\ln}} + \frac{L_w}{W^{Lwn}} + \frac{L_{wl}}{L^{L\ln} W^{Lwn}}$$

B.1.10Source/Drain Resistance

$$R_{ds} = \frac{R_{dsw}\left(1 + P_{rwg} V_{gsteff} + P_{rwb}\left(\sqrt{\Phi_s - V_{bseff}} - \sqrt{\Phi_s}\right)\right)}{\left(10^6 W_{eff}'\right)^{W_r}}$$

B.1.11Temperature Effects

$$V_{th(T)} = V_{th(Tnorm)} + (K_{T1} + K_{t1l} / L_{eff} + K_{T2} V_{bseff})(T / T_{norm} - 1)$$

$$\mu_{o(T)} = \mu_{o(Tnorm)}\left(\frac{T}{T_{norm}}\right)^{\mu_{te}}$$

$$v_{sat(T)} = v_{sat(Tnorm)} - A_T(T / T_{norm} - 1)$$