

$$p_n(x) = p_{n0} + p_{n0} (e^{V_a/V_t} - 1) \left[\cosh \frac{x - x_n}{L_p} - \coth \frac{w_n}{L_p} \sinh \frac{x - x_n}{L_p} \right], \text{ for } x_n \leq x \leq w_n$$