

$$\frac{v_{ut}}{v_{in}} = \frac{-g_m R_2 \left(1 - s \left(\frac{C_f}{g_m}\right)\right)}{1 + s \{ [C_1 + C_f(1 + g_m R_2)] R_1 + (C_2 + C_f) R_2 \} + s^2 \{ [(C_2 + C_f) C_1 + C_2 C_f] R_1 R_2 \}}$$