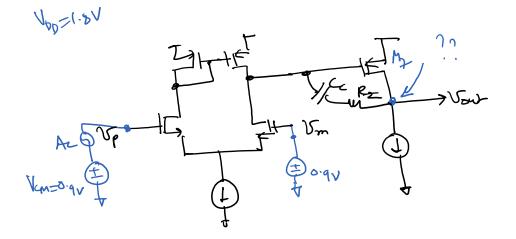
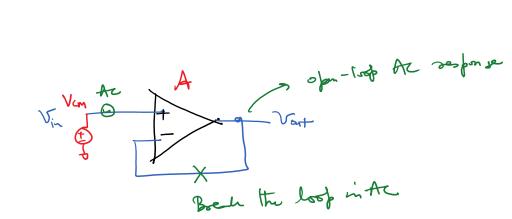
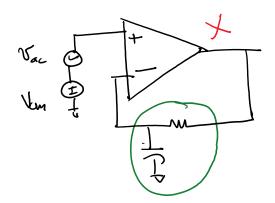
Tuesday, December 4, 2018 11:19 AM



. Ac analysis





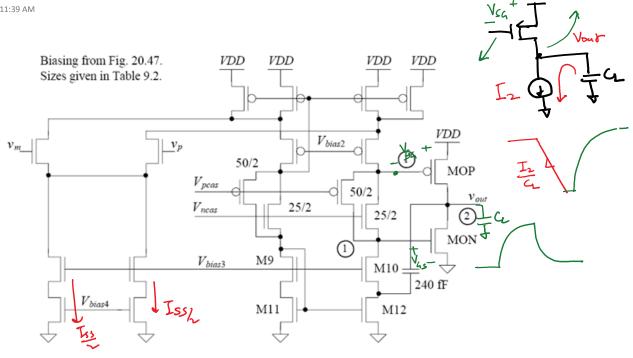
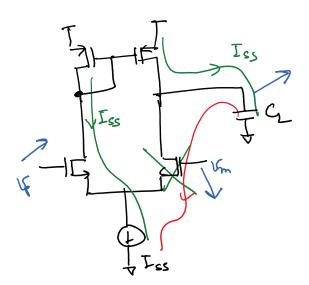
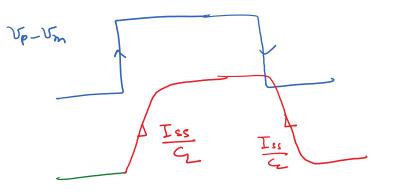
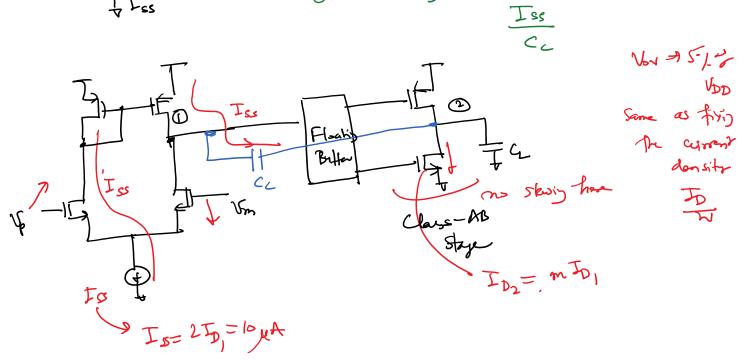


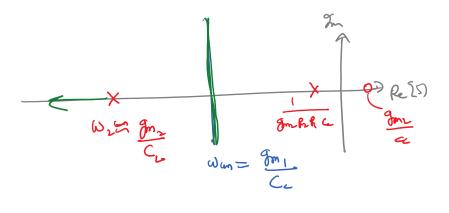
Figure 24.44 Folded-cascode op-amp with class AB output buffer.





Overall slesily is due to





$$\begin{split} & \omega_2 \gg \omega_{un} \\ & \frac{g_{m_1}}{G_2} \implies \frac{g_{m_1}}{C_c} \\ & \frac{g_{m_2}}{g_{n_1}} \implies \frac{C_L}{C_c} \\ & g_{m_2} \implies \frac{C_L}{C_c} \\ & g_{m_2} \gg g_{m_1} \\ & m > 2 \text{ or } \log_{u_1} \\ & \kappa_r \gg w_1 \end{split}$$

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