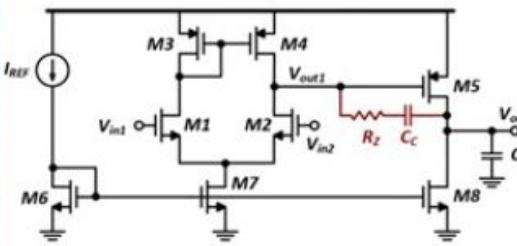


#14



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Thursday Analog Quiz



Today's question is a tricky one that needs some experience! Read the post and share your experience with the next generations of designers!

As we want to configure our OTA as unity buffer ($\text{gain} = 1$), $\text{GBW} \approx \text{UGF}$. if the spread sheet reports corners where $\text{GBW} \neq \text{UGF}$ while PM is fine, it's a sign that the single-pole assumption is broken.

possible causes:

- 1- The feedback factor B changes with freq.
- 2- Extra pole/zero from the compensation network

So, we shouldn't ignore it as it is red flag that our circuit is behaving as clean single-pole system.