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Transconductance 5

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Transconductance

FET

Transconductance, g_m

- g_m : $\frac{\Delta I_d}{\Delta V_{gs}}$

$$g_m = \frac{\Delta I_d}{\Delta V_{gs}}$$

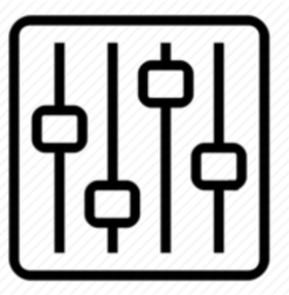
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- ΔI_d : I_{DQ} (A)
- ΔV_{gs} : V_{GSQ} (V)

- g_m (A/V)

- Transconductance g_m (A/V) of FET is $g_m = \frac{2I_{DQ}}{V_{GSQ}}$ (A/V) .

- MOSFET



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