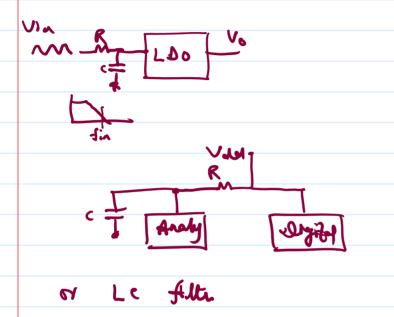
## **PSSR Improvement Techniques**

- 1. Make output polo as dominant polo
- 2. If EA off pole dominant than increas 6/w
- 3. EA waish logh gain
- 4. Filter siggly noise



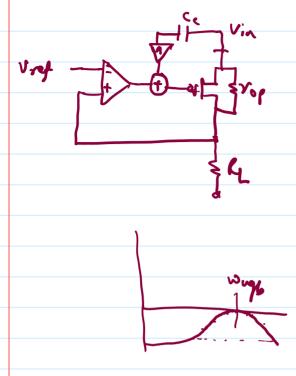
5. Cascadiny LDOs

PSRR = PSRR1 + PSRR2 (d8)
# Foor efficiency
# Expensive



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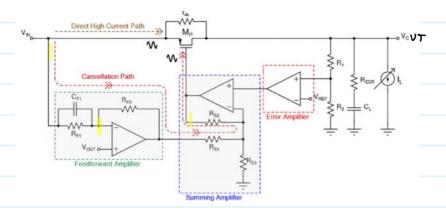


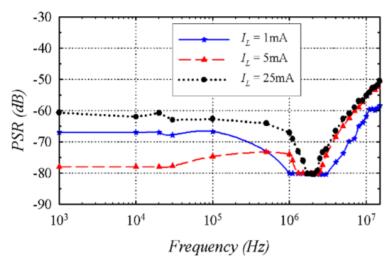


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## Feed-Forward Noise Cancellation

> M. El-Nozahi, A. Amer, J. Torres, K. Entesari, and E. Sánchez-Sinencio, "LDO with Feed forward Ripple Cancellation Technique for High Power Supply Rejection," to appear in J. of Solid State Circuits, Mar. 2010.

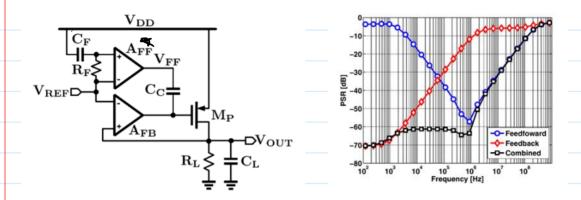


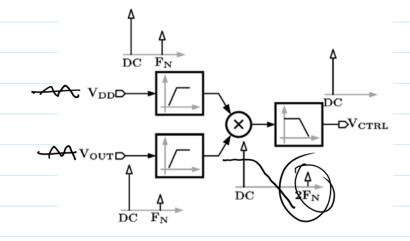




### Feed-Forward Noise Cancellation

B. Yang, B. Drost, S. Rao and P. K. Hanumolu, "A high-PSR LDO using a feedforward supply-noise cancellation technique," *2011 IEEE Custom Integrated Circuits Conference (CICC)*, San Jose, CA. 2011, pp. 1-4.







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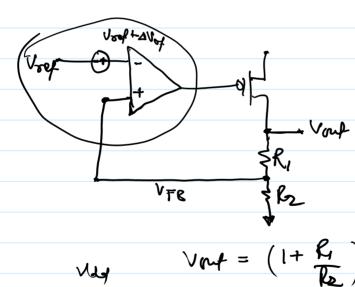
### Sources of Error in LDO

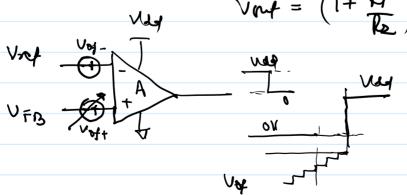
# Some of Error in LDD

- 2. Loss hain
  3. offsel-

4. Misnotch in feedback Resistor dividen

# offset cancellation







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