

CFA2

[AN-NS92]

No slew-rate limitation and GBP tradeoff...

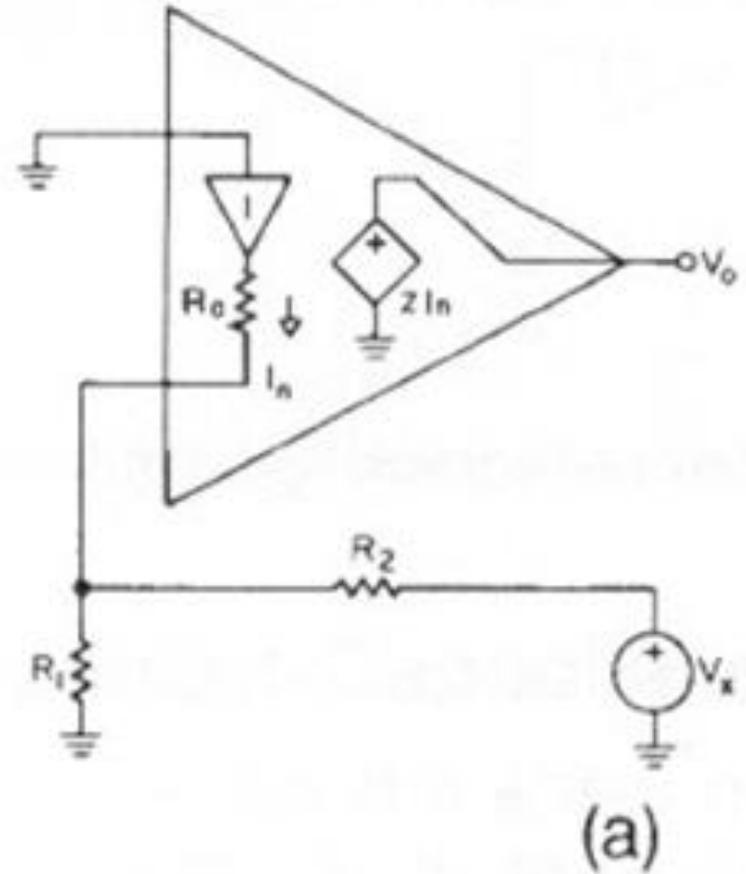
unless we consider second-order effects

- mainly due to R_0

- $T = z/Z_2$ with

$$Z_2 = R_2 \left(1 + \frac{R_0}{R_1 \parallel R_2} \right)$$

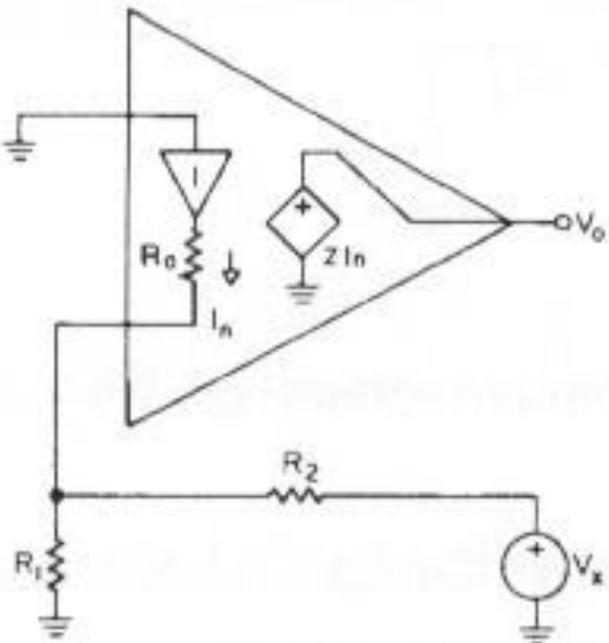
$$= R_2 + R_0 \left(1 + \frac{R_2}{R_1} \right)$$



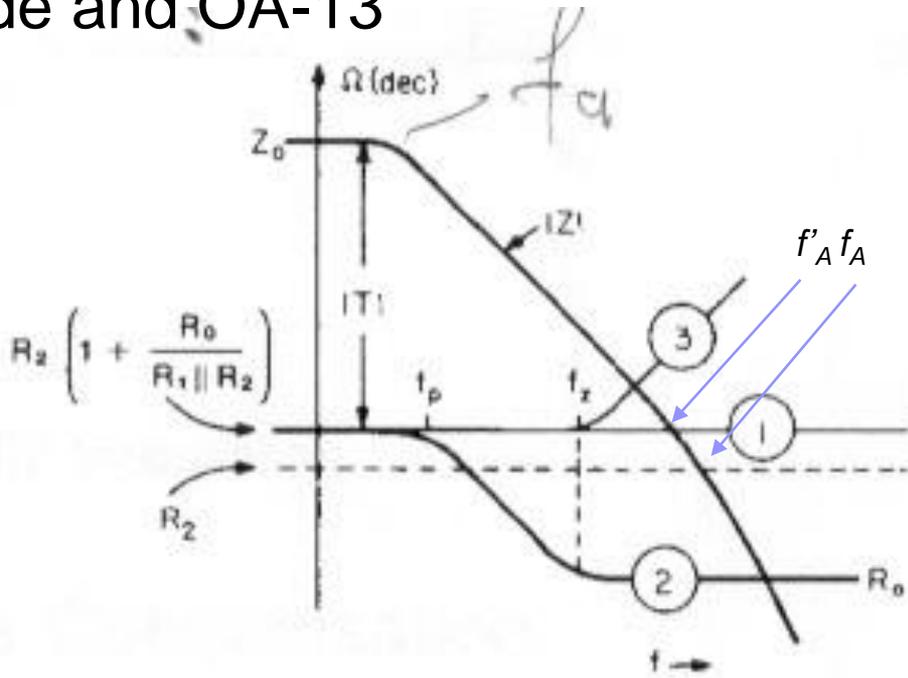
So we have to replace R_2 with Z_2 in the old (i.e without R_0) equation of $f_A = z_o f_a / R_2$:

$$f'_A = z_o f_a / Z_2 < f_A$$

- Effects of C in parallel with R_2 (2) and R_1 (3):
 - to compensate: see next slide and OA-13

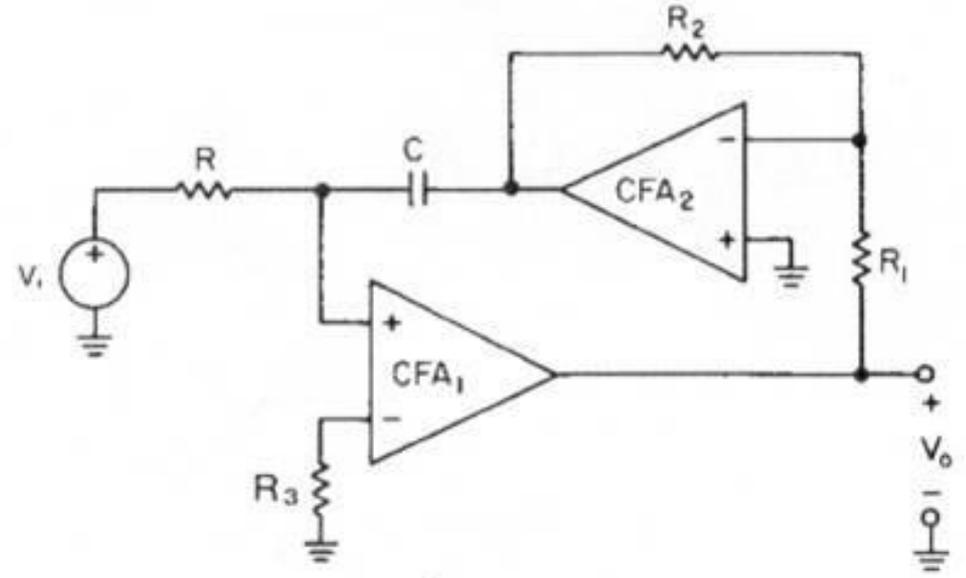


(a)



(b)

- CF integrator:
one possibility is ->



- Stray input capacitance compensation:

