→ perfectly match resistors

$R_1 - R_4$ have 1% tolerance

* massage expression to look at the tolerances.

$200k\Omega \pm 1\%$ ($200k\Omega$)

$200k\Omega$ (1 ± 0.01)

$2k\Omega$ $(1 \pm .01)$

↗ 1%

Now...

want to know worst case ACM

Numerator large

denominator small

as opposed to ∞


N_{I_1}
N_O
N_{I_2}

V_{I_1}

V_O

V_{I_2}

Design instrumentation amplifier

$A_d = 2\ V/V$ to $1000\ V/V$