

amplifier 12

$$I_{1} = \frac{voc}{201} - \frac{9m^{vin}}{201}$$

$$J_{2} = \frac{voc-vout}{Re2} - \frac{vout}{201} (\frac{9m^{2} + \frac{9m^{2}}{202}}{Re2})$$

$$I_{3} = \frac{vout}{Re2}$$

$$I_{1} = I_{2}$$

$$I_{2} = \frac{voc}{Re2} - \frac{1}{202} (\frac{1}{202} + \frac{1}{202})$$

$$I_{1} = I_{2}$$

$$I_{2} = \frac{voc}{Re2} - \frac{1}{202} (\frac{1}{202} + \frac{1}{202}) - \frac{1}{202} (\frac{1}{202} + \frac{1}{202})$$

$$I_{2} = \frac{voc}{Re2} - \frac{1}{202} (\frac{1}{202} + \frac{1}{202}) - \frac{1}{202} (\frac{1}{202} + \frac{1}{202}) - \frac{1}{202} (\frac{1}{202} + \frac{1}{202})$$

$$I_{2} = \frac{voc}{Re2} - \frac{1}{202} (\frac{1}{202} + \frac{1}{202}) + \frac{1}{202} (\frac{1}{202} + \frac{1}{202} +$$