

$$s_{err}$$

$$s_{in}$$

$$s_{out}$$

$$G\,f$$

$$G\cdot s_{err}$$

$$G\cdot f\cdot (s_{in}-s_{out})$$

$$v_{in}$$

$$v_{out}$$

$$f\cdot v_{out}$$

$$f=\frac{R_1}{R_1+R_2}$$

$$G\approx \frac{1}{f}=1+\frac{R_2}{R_1}$$

$$\approx -|G(j\omega_0)|_{s_{err}}$$

$$\angle[G(j\omega)]$$

$$v^+ \; v^- \; v_o \; G_v(j\omega) C_{in} \; C_{out}$$