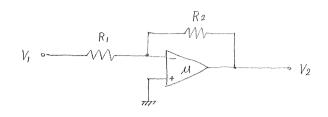
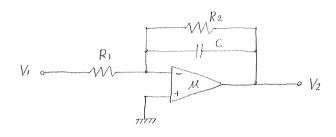
2.

(1)



$$\frac{V_1}{R_1} = \frac{-V_2}{R_2}$$
 \sharp ') $R_2V_1 = -R_1V_2$.". $\frac{V_2}{V_1} = -\frac{R_2}{R_1}$

(2)



$$\frac{V_{1}(\hat{\delta}w)}{R_{1}} = \frac{-V_{2}(\hat{\delta}w)}{\frac{R_{2}\cdot\frac{1}{\delta wc}}{R_{2}+\frac{1}{\delta wc}}} + V_{1}(\hat{\delta}w) \cdot \frac{R_{2}}{1+\hat{\delta}R_{2}wc} = -R_{1}V_{2}(\hat{\delta}w)$$

$$\vdots T(\hat{\delta}w) = \frac{V_{2}(\hat{\delta}w)}{V_{1}(\hat{\delta}w)} = \frac{R_{2}}{R_{1}(1+\hat{\delta}R_{2}wc)}$$

$$T(jw) = -\frac{R^2}{R_1(l+jR_2wc)} = -\frac{1}{\frac{R_1}{R_2} + jR_1wc}$$

$$\frac{R_1}{R_2} = R_1wc = 2\pi f_c R_1c \quad \text{or} \quad \text{to} \quad \text{fc} \in$$
 遮断周波数というので、
$$f_c = \frac{1}{2\pi cR_2}$$