

$$Y_1 = X_1 \longrightarrow \boxed{+} \longrightarrow X_2 = Y_1 + Y_2 \longrightarrow \boxed{\text{filter}} \longrightarrow \mu_{X_1/X_2}$$

$$\uparrow \\ Y_2$$

$$\downarrow \\ f(X_1)$$

$$\downarrow \\ \tilde{f}(X_2)$$