$$P(r_1r_2.e^{i(\theta_1+\theta_2)})$$

$$P_2(r_2.e^{i\theta_2})$$

$$P_1(r_1.e^{i\theta_1})$$

$$P_2(r_2.e^{i\theta_2})$$

$$P_1(r_1.e^{i\theta_1})$$

$$P_2(r_2.e^{i\theta_2})$$