$$(+) \quad \operatorname{Im}(\omega) \qquad (-) \quad \operatorname{Im}(\omega) \qquad \qquad \\ -\omega_{j} + i\eta \qquad \longrightarrow \operatorname{Re}(\omega) \qquad \longrightarrow \operatorname{Re}(\omega) \qquad \qquad \\ \omega_{n} \times \omega_{j} + i\eta \times \operatorname{Re}(\omega) \qquad \qquad \\ \omega_{j} - i\eta \times \operatorname{Re}(\omega) \qquad \qquad \\ C_{\infty} \qquad \qquad C_{\infty}$$