$$C_{AB}^{\text{DHK}}(t) = \int \mathrm{d}\Omega_0 \int \mathrm{d}\Omega_0' \underbrace{\langle \Omega_0 | \hat{A} | \Omega_0' \rangle}_{A\,e^{\times}} \underbrace{\langle \Omega_t' | \hat{B} | \Omega_t \rangle}_{B\,e^{\times}} \underbrace{\mathcal{C}_t^{\text{HK}} \mathcal{C}_{t'}^{\text{HK}*}}_{\times\,e^{\times}} e^{\times}$$

Focus on amplitude (ignore all phases)

Ignore prefactor

$$C_{AB}^{\text{DHK}}(t) = \int \mathrm{d}\Omega_0 \int \mathrm{d}\Omega_0' \underbrace{\left\langle \Omega_0 \middle| \hat{A} \middle| \Omega_0' \right\rangle}_{\tilde{A} \; \frac{A}{\tilde{A}} \; e^{i \times A}} \underbrace{\left\langle \Omega_t' \middle| \hat{B} \middle| \Omega_t \right\rangle}_{B \, e^{i \times B}} \underbrace{\mathcal{C}_t^{\text{HK}} \mathcal{C}_{t'}^{\text{HK}*}}_{\times \, e^{i \times C}} e^{i \times S}$$

Focus on amplitude (ignore all phases)

Ignore prefactor

Use unimodal envelope of *A*