



A Special Integrand

$$\int dx A(x)B(x)C(x)$$

- $A(x)$ is cheap
- $B(x)$ is somewhat expensive
- $C(x)$ is **very** expensive

$$\int dx A(x)B(x)C(x) = N_A \left\langle e^{i\phi_A(x)} B(x)C(x) \right\rangle_{|A(x)|}$$

but what if:

$$\begin{aligned} |A(x)| &\gg 0 \\ |B(x)| &\approx 0 \end{aligned}$$