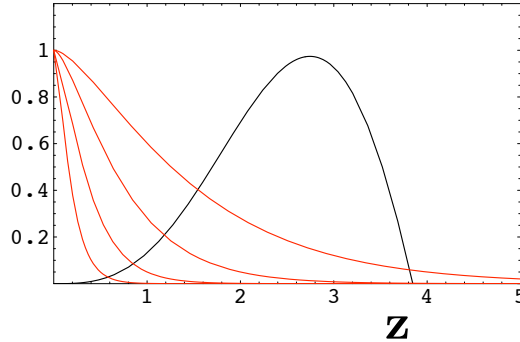


- Propagation of external perturbation suppressed inside AdS.
- At large enough $Q \sim r/R^2$, the interaction occurs in the large- r conformal region. Important contribution to the FF integral from the boundary near $z \sim 1/Q$.

$$\mathbf{J}(\mathbf{Q}, \mathbf{z}), \quad \Phi(\mathbf{z})$$



- Consider a specific AdS mode $\Phi^{(n)}$ dual to an n partonic Fock state $|n\rangle$. At small z , $\Phi^{(n)}$ scales as $\Phi^{(n)} \sim z^{\Delta_n}$. Thus:

$$F(Q^2) \rightarrow \left[\frac{1}{Q^2} \right]^{\tau-1},$$

where $\tau = \Delta_n - \sigma_n$, $\sigma_n = \sum_{i=1}^n \sigma_i$. The twist is equal to the number of partons, $\tau = n$.