

Correction

In lecture 10 I had stated l_s as the cut-off in the bulk theory. While this is true, it does not directly translate to a cut-off in the boundary theory.

The reason is that the bulk correlation functions reproduce CFT correlation functions only for points with geodesic separation $\gg R$.

So when we try to find an expression for the cut-off in the boundary theory, we should take the bulk cut-off to be R .

Since we have taken $R \sim \frac{1}{\epsilon}$ if does not affect subsequent analysis.