

The OPE describes what happens when two operators come together at a single spacetime point (considering scalar operators only)

$$\lim_{x' \rightarrow x} \langle O_a(x') O_b(x) O_c(0) \rangle = \frac{f_{abc}}{|x|^{\Delta_a + \Delta_b + \Delta_c}}$$

The values of  $\{\Delta_a, f_{abc}\}$  determine (in principle) all observable properties of the CFT, as constrained by a complex set of conformal Ward identities.

For the Wilson-Fisher CFT<sub>3</sub>, systematic methods exist to compute (in principle) all the  $\{\Delta_a, f_{abc}\}$ , and we will assume this data is *known*. This knowledge will be taken as an *input* to the computation of the finite  $T$  dynamics