

Bulk Local Operators, Conformal Descendants and Radial Quantization

Zhao-Long WANG¹

¹Institute of Modern Physics, Northwest University, Xian, China

We establish a construction of the bulk local operators in AdS by considering CFT at finite energy scale. Without assuming any prior knowledge about the bulk, the normalizable solution to the bulk free field equation automatically appears in the field theory arguments. In the radial quantization formalism, we find a properly regularized version of our initial construction.