On fractional M5 branes and partially frozen ALE singularities

Yuji TACHIKAWA¹

¹Department of Physics, The University of Tokyo, Japan

M5-branes are known to fractionate when put on an ALE singularity of type D or E. In the presence of such fractional M5-branes, ALE singularities are partially frozen. In this talk we analyze these phenomena from various points of view.