

Abstract

It is well-known that the weight distribution of MDS codes is uniquely determined by the length and dimension. In this talk, we prove that the weight distribution of q -ary optimal LRCs with even dimension, minimum distance 5 and locality 2 is also uniquely determined. This is jointed with Jie Hao, Shu-Tao Xia, Fang-Wei Fu and Yi-Xian Yang.