

TIGHT RELATIVE T-DESIGNS IN ASSOCIATION SCHEMES

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Relative t -designs in association scheme are defined by Delsarte in 1977. In this talk, we introduce an equivalent definition given by Bannai-Bannai in 2012. We consider the Fisher type lower bound and the classification problems of tight relative t -designs. We will present some results about tight relative t -designs in Johnson and binary Hamming association schemes. This is joint work with Eiichi Bannai and Etsuko Bannai.

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