

1137-43-119

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*Equiangular tight frames from association schemes.*

Several applications in signal processing require lines through the origin of a finite-dimensional Hilbert space with the property that the smallest interior angle is as large as possible. Packings that achieve equality in the Welch bound are known as equiangular tight frames (ETFs). In the real case, ETFs are in one-to-one correspondence with certain strongly regular graphs, which are well-studied objects in combinatorics. The complex case is harder, since the phases of inner products are no longer restricted to a discrete set. Still, there is a growing theory of complex ETFs arising from combinatorial objects known as association schemes. This talk will discuss a few recent developments along these lines. (Received January 30, 2018)