

On Deza circulants

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A connected regular graph Γ is a Deza graph, if there exist integers λ and μ such that any two distinct vertices of Γ have either λ or μ common neighbours. A circulant is a graph that admits a cyclic group of automorphisms, i.e., it is a Cayley graph of a cyclic group.

In this talk, we report on our attempt (in progress) to classify circulants that are Deza graphs.