

Guangzhou Discrete
Mathematics Seminar



On Deza circulants



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Room 416, School of Mathematics, Sun Yat-sen University

We consider undirected graphs without loops and multiple edges. A k -regular graph Δ on v vertices is called a Deza graph with parameters (v, k, b, a) (usually $a \leq b$), if the number of common neighbours of any two vertices takes precisely two values a or b . In my talk I'm going to discuss Deza graphs that are Cayley graphs of cyclic groups and some related results and open problems. The talk is based on a joint work in progress with Alexander Gavrilyuk and Leonid Shalaginov.

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Website <http://www.gzdmseminar.cn>

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seminar series