

Guangzhou Discrete  
Mathematics Seminar



*On sum-free problem and its generalization*



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26 April 2019 (Friday), 4pm to 5pm

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

One of great interest in the study of sum-free sets is to consider sum-free subsets of a set of integers, which has attracted a significant attention in the literature over the years. In this talk, some recent results on sum-free sets of integers are discussed. Then we present a recent result on  $k$ -sum  $\mathbf{n}$ -solution free set, where  $\mathbf{n}$  is a 2-dimensional integer vector. This is the first investigation of the non-homogeneous solution-free set problem in higher dimensions. The work is based on joint work with Ilkyoo Choi and Ringi Kim.

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