



HARVARD UNIVERSITY
17 Oxford Street
Cambridge, MA 02138

Mathematical Picture Language Seminar



Wednesday, February 21

4:30 p.m. Boston time

Jefferson 368

Jacob Fox

Stanford University

Subset Sums

Abstract: In this talk, I will discuss novel techniques which allow us to prove a diverse range of results on representing integers as subset sums, including solutions to many long-standing open problems in the area. For example, we answer a question of Alon and Erdős on the minimum number of colors needed to color the positive integers less than n so that n cannot be written as a monochromatic sum. Based on joint work with David Conlon and Huy Tuan Pham. Time permitting, we will discuss some of the remaining outstanding open problems on subset sums and connections to other areas of mathematics and computer science.



Zoom QR Code & Link:

<https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUIJVzZqT3lwV2pCT1ZUQTog>

Passcode: 657361

<https://mathpicture.fas.harvard.edu/seminar>