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Ben Krause and **Joris Roos*** (jroos.math@gmail.com). *Discrete analogues of maximally modulated singular integrals of Stein-Wainger type.*

Stein and Wainger introduced an interesting class of maximal oscillatory integral operators related to Carleson's theorem. The talk will be about joint work with Ben Krause on ℓ^p bounds for discrete analogues of some of these operators. These discrete analogues feature a number of substantial difficulties that are absent in the real-variable setting and involve themes from number theory and analysis. (Received August 24, 2021)