Ruixiang Zhang* (ruixiang@math.wisc.edu), 451 W WILSON ST, MADISON, WI 53703, and Shaoming Guo. Studying Parsell-Vinogradov Systems via Decoupling.

We will talk about our recent proof of a sharp upper bound on the number of integer solutions of the Parsell-Vinogradov system in every dimension via the method of decoupling (joint with Shaoming Guo). (Received September 07, 2018)