

Tamar Ziegler. Concatenations of ergodic and combinatorial uniformity norms.

Abstract. We describe concatenation results for uniformity norms in ergodic and combinatorial categories. Roughly speaking, we show that if a system exhibits nil-behavior with respect to two different commuting actions, then it exhibits nil-behavior (of higher step) with respect to their joint action. These results have applications to counting polynomial progressions in primes. Joint work with T. Tao.
