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Condensed groups

A topological group is extremely amenable if it does not have a fixed-point free action on a compact Hausdorff space. I'll talk about a new example of extremely amenable groups of functions with topology of convergence with respect to a diffused submeasures. The main result unifies earlier work of Christensen–Herer and Pestov. We deduce our results from a Ramsey-type result and give an example showing there is no concentration of measure in this context.

This is a joint work with Slawek Solecki.