Date: December 1, 2020

Speaker: Jamal Kawach

Title: Dual Ramsey theory for countable ordinals

Abstract: Using techniques from the theory of topological Ramsey spaces, we prove a dual Ramsey theorem for countable ordinals. Specifically, for each countable ordinal α we define a topological Ramsey space of equivalence relations on ω which code equivalence relations on α, up to some necessary restrictions on the set of minimal representatives of the equivalence classes. This extends the classical dual Ramsey theorem of Carlson and Simpson. This talk contains joint work with Stevo Todorcevic.