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Thompson's group F is not strongly amenable

We show that Thompson's group F has a topological action on a compact space that is proximal and has no fixed points. By definition, it says that this group is not strongly amenable. I'll explain all the notions and will present the construction which is a twist of a symbolic space over a Schrier graph of the group.

Joint work with Kate Juscheno, Omer Tamuz and Pooya Vahidi Ferdowsi