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*Transitive Groupoids with Interesting Topological Properties*

I will discuss some examples of interesting transitive topological groupoids from the literature. This talk is an offshoot of a project with J. Watts and C. Farsi, where we studied the actions of transitive groupoids. Under normal topological conditions, we can reduce the action of a transitive groupoid to the action of a single isotropy group on a fibre. However, we ran across examples of some more unusual topological groupoids where this is not possible. I will discuss examples from Muhly-Renault-Williams and Buneci.