

1125-47-709

Rufus Willett* (rufus@math.hawaii.edu), 2565 McCarthy Mall, Keller 401A, Honolulu, HI 96822. *Hulanicki's theorem fails for groupoids.*

An important theorem of Hulanicki from the 60s says that a locally compact group is amenable if and only if its maximal and reduced C^* -algebras are the same. For groupoids, Renault defined a notion of (topological) amenability around 1980, and showed that it implies that the associated maximal and reduced C^* -algebras are the same. I'll describe an example showing that the converse fails, and say a little about what this has to do with exactness (without assuming prior knowledge of groupoids, their C^* -algebras, or exactness). (Received September 09, 2016)