Flores, F.; Măntoiu, M.
Morphisms of groupoid actions and recurrence. (English) Zbl 0753.0406
Topology Appl. 314, Article ID 108122, 27 p. (2022)

Summary: Topological groupoids admit various types of morphisms. We push these notions to the level of continuous groupoid actions to obtain various types of groupoid action morphisms. Some dynamical properties and their relation to these morphisms are studied. Among them are recurrence, various forms of transitivity, minimality, limit, recurrent, periodic and almost periodic points.

MSC:
22A22 Topological groupoids (including differentiable and Lie groupoids)
37B20 Notions of recurrence and recurrent behavior in topological dynamical systems
37B05 Dynamical systems involving transformations and group actions with special properties (minimality, distality, proximality, expansivity, etc.)
58H05 Pseudogroups and differentiable groupoids

Keywords:
groupoid action; dynamical system morphism; orbit; minimal; transitive; wandering; factor

Full Text: DOI

References:

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.