

Transitive points in CR-dynamical systems

Goran Erceg

University of Split

gorerc@pmfst.hr

We generalize the notion of transitivity from topological dynamical systems to topological dynamical systems with closed relations (CR-dynamical systems). We introduce notions of different types of transitive points, different types of dense orbit transitivity as well as the transitivity of CR-dynamical systems, we discuss their properties and the relations between them.

(joint work with Iztok Banic, Sina Greenwood and Judy Kennedy)