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## heteroclinic

Canonical name Heteroclinic

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Author Koro (127) Entry type Definition Classification msc 37C29 Let f be an homeomorphism mapping a topological space X to itself or a flow on X. An heteroclinic point, or heteroclinic intersection, is a point that belongs to the intersection of the stable set of x with the unstable set of y, where x and y are two different fixed or periodic points of f, i.e. a point that belongs to  $W^s(f,x) \cap W^u(f,y)$ .