

LIMITS AND ENDS OF EXTERIOR SPACES AND FLOWS

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RESUMEN. (This is a joint work with M. T. Rivas) In this talk we analyze some applications of exterior spaces to the study of dynamical systems (flows). The limit spaces and end spaces of an exterior space are used to construct the limit spaces and end spaces of a dynamical system. These constructions induce some decompositions of a continuous flow as a disjoint union of stable (at infinity) subflows. On the other hand, we give some relations between the exterior structure associated to a flow and its dynamical properties.

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