EXTERIOR COMPLETIONS FOR FLOWS

M. TERESA RIVAS RODRÍGUEZ

ABSTRACT. (This is a joint work with L.J. Hernández) In this talk we will give some new notions of completions for exterior spaces which are generalizations of the Freudenthal compactification of a topological space with the cocompact externology. These new constructions are applied to study dynamical properties of continuous flows and exterior flows.

M. Teresa Rivas Rodríguez Departamento de Matemáticas y Computación Universidad de La Rioja

²⁰⁰⁰ Mathematics Subject Classification. 37B99, 54H20.

Key words and phrases. Dynamical system, exterior space, flow, exterior flow, limit space, end space, flow completions.