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Dana Bartosova* (dana.bartosova@utoronto.ca), 40 St. George Street, Toronto, Ontario M5S 2E4, Canada. *Filter dynamical systems.*

We give an internal characterization of Boolean algebras of clopen subsets of universal minimal flows for groups automorphisms of first-order structures. We show how this approach applies to arbitrary topological groups, generalizing algebra in the Čech-Stone compactification of discrete groups to the Samuel compactification of topological groups. (Received February 18, 2013)