1127-46-50 **Costel Peligrad*** (`costel.peligrad@uc.edu`), University of Cincinnati, Department of Mathematical Sciences, Cincinnati, OH 45221-0025. *A solution of the maximality problem for one parameter dynamical systems.*

We prove a maximality theorem for one-parameter dynamical systems including multiplier one-parameter dynamical systems. Our main result is new even for one-parameter actions on commutative multiplier algebras including the algebra of bounded continuous functions on the set of real numbers acted upon by translations. The methods we develop and use in our characterization of maximality include harmonic analysis, topological vector spaces and operator algebra techniques. (Received January 12, 2017)