AUTO-07p

Bart Oldeman

Department of Computer Science
Concordia University
1455 boulevard de Maisonneuve O.
Montréal, Québec H3G 1M8
CANADA
boldeman@encs.concordia.ca

Abstract

AUTO-07p is an updated version of the well-known continuation package AUTO. It succeeds both AUTO97 and AUTO2000. An overview and explanation of its new capabilities is given, including the parallelization techniques that are used, scripting in Python, and visualization. These abilities are illustrated through real-time computations of manifolds.