sde.kma.zcu.cz

SDE | 2018

Pathfollowing for differential generalized equations

Tomáš Roubal

Department of Mathematics Faculty of Applied Sciences, University of West Bohemia Univerzitní 8, 306 14 Plzeň, Czech Republic e-mail: roubalt@kma.zcu.cz

Abstract

We investigate uniform versions of metric regularity and strong metric regularity along continuous paths. These two properties turn out to play a key role in analyzing pathfollowing schemes for tracking a solution trajectory of a parametric generalized equation or, more generally, of a differential generalized equation.