

Preface

During the years in which the research results compiled in this monograph were obtained, many people contributed directly or indirectly to these results. There is, first of all, the head of our research group “Numerics, Dynamics and Optimization”, Peter E. Kloeden. I want to thank him not only for his support and his scientific interest in this work, but also for the pleasant working atmosphere and for leaving me so much time for the realization of my own research. Many thanks also go to all the other members of the group and of the Fachbereich Mathematik of the J.W. Goethe–Universität, especially to Helga Ambach for her help with all the common problems in daily university life and to Peter Bauer for keeping my computer running.

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This book would have been impossible without the results of several fruitful collaborations. In particular, this concerns the construction of high–order numerical schemes for systems with affine input in Section 5.2, which were developed in collaboration with Peter Kloeden (see also [55]), and the gener-

alization of Zubov's method to systems with input in Section 7.2, which was investigated together with Fabio Camilli and Fabian Wirth, cf. also [15, 16, 17, 58].

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