

# Singular Solutions and Perturbations in Control Systems (IFAC Proceedings Volumes)



This volume contains the proceedings of the IFAC Workshop on Singular Solutions and Perturbations in Control Systems (SSPCS-97) held at Pereslavl-Zalesky, Russia on 7-11 July 1997. The Workshop was sponsored by IFAC and organized jointly by the Russian National Committee of Automatic Control, the Program Systems Institute and the Institute for Information Transmission Problems at the Russian Academy of Sciences, and the University of Pereslavl. The objective of this workshop was to provide an international forum for the discussion of recent developments and advances in the fields of singular control problems, impulsive control, singular perturbations technique in control systems, computational problems and others. The Workshop was devoted both to theoretical and applicative aspects of the so-called nonclassical problems in the area of control theory, such as problems with singular perturbations, impulse and generalized controls. These problems arise in various areas of applications, including mechanics, information processing, medicine and economy. At the same time they stimulate the development of new mathematical tools in the classical theory of control and differential equations. All papers included in this volume are given in the form presented by the authors.

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