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Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Systems Theory and Applications -- Which State Feedback Control Laws will not Alter the System's Transfer Function? -- Abstract -- 1 Problem Formulation -- 2 Model Matching by State Feedback -- 3 Parameterization of State Feedback Control Laws -- 4 Example -- 5 Conclusions -- References -- A Simple Linearisation of the Self-shrinking Generator -- 1 Introduction -- 2 Fundamentals and Basic Notation -- 2.1 The Self-

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Sommario/riassunto

This volume constitutes the papers presented at the 15th International Conference on Computer Aided Systems Theory, EUROCAST 2015, held in February 2015 in Las Palmas de Gran Canaria, Spain. The total of 107 papers presented were carefully reviewed and selected for inclusion in the book. The contributions are organized in topical sections on Systems Theory and Applications; Modelling Biological Systems; Intelligent Information Processing; Theory and Applications of Metaheuristic Algorithms; Computer Methods, Virtual Reality and Image Processing for Clinical and Academic Medicine; Signals and Systems in Electronics; Model-Based System Design, Verification, and Simulation; Digital Signal Processing Methods and Applications; Modelling and Control of Robots; Mobile Platforms, Autonomous and Computing Traffic Systems; Cloud and Other Computing Systems; and Marine Sensors and Manipulators.
