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Nota di contenuto	Contents -- Preface -- Geometric Aspects of Hessenberg Matrices -- Differential Geometric Aspects of Continuum Mechanics in Higher Dimensions -- Lax-Type Flows on Grassmann Manifolds -- Some Global Aspects of the Feedback Linearization Problem -- On Notions of Equivalence of Variational Problems with One Independent Variable -- A Singular Problem in Elasticity Theory -- Controllability of Linear Systems, Differential Geometry of Curves in Grassmannians, and Riccati Equations -- Explicit Solutions for an Estimation Problem in Manifolds Associated with Lie Groups -- Overdetermined Equivalence Problems with an Application to Feedback Equivalence -- The Symbolic Computation of Higher-Order Derivations: Symmetries of Expressions and Actions of Group Algebras -- Cartan's Method of Equivalence and the Classification of Second-Order Ordinary Differential Equations -- A Necessary Condition for Local Controllability -- Normal Forms for Linear and Nonlinear Systems -- Adaptive Stabilization of Multivariable Linear Systems -- Approximation, Interpolation and Sampling -- Stability Analysis of a Rigid Body with a Flexible Attachment Using the Energy-Casimir Method.

