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Nota di contenuto	Contents; Foreword; Preface: Introduction: Libration Points and Station Keeping; 0.1 The Neighborhood of Libration Points as a Useful Place for Spacecrafts; 0.1.1 The Libration Points in the Restricted Three-body Problem 0.1.2 The Libration Points in Perturbations of the Restricted Threebody Problem 0.1.3 Possible Missions Around the Libration Points.1.4 The Real Nominal Quasi-periodic Orbit; 0.2 Station Keeping of Libration Point Orbits; 0.2.1 Unstable Nominal Orbits 0.2.2 Requirements for an On/off Control Chapter 1 Bibliographical Survey; 1.1 Numerical Results for Three-dimensional Periodic Orbits Around L1, L2 and L3; 1.1.1 References; 1.1.2 Equations. General Properties; 1.1.3 Linear Theory Around the Equilibrium Points; 1.1.4 Description of the Results 1.2 Analytic Results for Halo Orbits Associated to L1, L2 and L3 1.2.1 References; 1.2.2 Equations of Motion; 1.2.3 Construction of Halo Periodic Solutions; 1.3 Motion Near L4 and L5; 1.3.1 References; 1.3.2 The Triangular Equilibrium Points, Location and Stability; 1.3.3 Numerical Explorations; 1.3.4 Analytic Results; 1.4 Station Keeping

1.4.1 References 1.4.2 The Control of Libration Point Satellites; 1.4.3 Station Keeping for a Translunar Station; 1.4.4 Control of an Unstable Periodic Orbit; 1.4.5 Station Keeping for the ISEE-C. Algorithm and Results ; 1.4.6 Additional Work  
Chapter 2 Halo Orbits. Analytic and Numerical Study

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**Sommario/riassunto**

In this book the problem of station keeping is studied for orbits near libration points in the solar system. The main focus is on orbits near halo ones in the (Earth+Moon)-Sun system. Taking as starting point the restricted three-body problem, the motion in the full solar system is considered as a perturbation of this simplified model. All the study is done with enough generality to allow easy application to other primary-secondary systems as a simple extension of the analytical and numerical computations. Contents: Bibliographical Survey Halo Orbits. Analytical and

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