1. Record Nr.   UNINA9910453185603321

   Titolo   Dynamics and mission design near libration points . Volume 2
                       Fundamentals : the case of triangular libration points [[electronic
                       resource] /] / G. Gomez ... [et al.]

   Pubbl/distr/stampa Singapore ; ; River Edge, NJ, : World Scientific, c2001

   ISBN   1-281-95630-9
                       9786611956301
                       981-281-064-1

   Descrizione fisica 1 online resource (159 p.)

   Collana   World scientific monograph series in mathematics ; ; 3

   Altri autori (Persone) GomezG (Gerard)

   Disciplina   521.3

   Soggetti   Three-body problem
                       Lagrangian points
                       Electronic books.

   Lingua di pubblicazione Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Note generali   Description based upon print version of record.

   Nota di bibliografia Includes bibliographical references.

   Nota di contenuto   Contents; Preface; Chapter 1 Bibliographical Survey; 1.1 Equations. The
                       Triangular Equilibrium Points and their Stability; 1.2 Numerical Results
                       for the Motion Around L4 and L5 ; 1.3 Analytical Results for the Motion
                       Around L4 and L5; 1.3.1 The Models Used
                       1.4 Miscellaneous Results 1.4.1 Station Keeping at the Triangular
                       Equilibrium Points; 1.4.2 Some Other Results; Chapter 2 Periodic Orbits
                       of the Bicircular Problem and Their Stability; 2.1 Introduction; 2.2 The
                       Equations of the Bicircular Problem
                       2.3 Periodic Orbits with the Period of the Sun 2.4 The Tools: Numerical
                       Continuation of Periodic Orbits and Analysis of Bifurcations; 2.4.1
                       Numerical Continuation of Periodic Orbits for Nonautonomous and
                       Autonomous Equations
                       2.4.2 Bifurcations of Periodic Orbits: From the Autonomous to the
                       Nonautonomous Periodic System 2.4.3 Bifurcation for Eigenvalues
                       Equal to One; 2.5 The Periodic Orbits Obtained by Triplication
                       Chapter 3 Numerical Simulations of the Motion in an Extended
                       Neighborhood of the Triangular Libration Points in the Earth-Moon
                       System 3.1 Introduction; 3.2 Simulations of Motion Starting at the

	Instantaneous Triangular Points at a Given Epoch
	3.3 Simulations of Motion Starting Near the Planar Periodic Orbit of Kolenkiewicz and Carpenter
Sommario/riassunto	It is well known that the restricted three-body problem has triangular equilibrium points. These points are linearly stable for values of the mass parameter, μ, below Routh's critical value, μ_1. It is also known that in the spatial case they are nonlinearly stable, not for all the initial conditions in a neighborhood of the equilibrium points L_4, L_5 but for a set of relatively large measures. This follows from the celebrated Kolmogorov-Arnold-Moser theorem. In fact there are neighborhoods of computable size for which one obtains "practical stability" in the sense t

2.	Record Nr.	UNINA9910337897703321
	Autore	Marselle Melissa R
	Titolo	Biodiversity and health in the face of climate change / / edited by Melissa R. Marselle, Jutta Stadler, Horst Korn, Katherine N. Irvine, Aletta Bonn
	Pubbl/distr/stampa	Cham, : Springer Nature, 2019
		Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
	ISBN	3-030-02318-4
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (xxvi, 481 pages) : illustrations, b&w and colour
	Disciplina	613.1
	Soggetti	Environmental health
		Applied ecology
		Climate change
		Biodiversity
		Public health
		Regional planning
		Urban planning
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

Nota di contenuto	Introduction -- Section 1: Biodiversity and physical health -- Section 2: Biodiversity and mental wellbeing -- Section 3: Biodiversity and social wellbeing -- Section 4: Implications of the biodiversity and health relationship -- Section 5: Planning and managing urban green spaces for biodiversity and health in a changing climate.
Sommario/riassunto	This open access book identifies and discusses biodiversity's contribution to physical, mental and spiritual health and wellbeing. Furthermore, the book identifies the implications of this relationship for nature conservation, public health, landscape architecture and urban planning – and considers the opportunities of nature-based solutions for climate change adaptation. This transdisciplinary book will attract a wide audience interested in biodiversity, ecology, resource management, public health, psychology, urban planning, and landscape architecture. The emphasis is on multiple human health benefits from biodiversity - in particular with respect to the increasing challenge of climate change. This makes the book unique to other books that focus either on biodiversity and physical health or natural environments and mental wellbeing. The book is written as a definitive 'go-to' book for those who are new to the field of biodiversity and health.