1. Record Nr. UNINA9910148772303321

Autore	Hastings Max
Titolo	Catastrophe - Volume Two: Europe Goes to War 1914
Pubbl/distr/stampa	HarperCollins UK
ISBN	0-00-753856-1
Lingua di pubblicazione	Inglese
Formato	Musica
Livello bibliografico	Monografia

Sommario/riassunto

A magisterial chronicle of the calamity that crippled Europe in 1914. Unabridged and split into two parts.1914: a year of unparalleled change. The year that diplomacy failed, Imperial Europe was thrown into its first modernised warfare and white-gloved soldiers rode in their masses across pastoral landscapes into the blaze of machineaAeA" guns. What followed were the costliest days of the entire War. But how had it happened?In Catastrophe: 1914 Max Hastings, best-selling author of the acclaimed All Hell Let Loose, answers at last how World War I could ever have begun. Ranging across Europe, from Paris to St. Petersberg, from Kings to corporals, Catastrophe 1914 traces how tensions across the continent kindled into a blaze of battles; not the stalemates of later trench-warfare but battles of movement and dash where Napoleonic tactics met with weapons from a newly industrialised age. A searing analysis of the power-brokering, vanity and bluff in the diplomatic maelstrom reveals who was responsible for the birth of this catastrophic world in arms. Mingling the experiences of humbler folk with the statesmen on whom their lives depended, Hastings asks: whose actions were justified?From the out-break of war through to its terrible making, and the bloody gambles in Sarajevo and Mons, Le Cateau, Marne and Tannenberg, this is the international story of World War I in its most severe and influential period. Published to coincide with its 100th Anniversary, Catastrophe: 1914 explains how and why this war, which shattered and changed the Western world for ever, was

fought.

2. Record Nr. UNINA9910337633303321

Autore	Krack Malte
Titolo	Harmonic Balance for Nonlinear Vibration Problems / / by Malte Krack, Johann Gross
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-14023-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (167 pages)
Collana	Mathematical Engineering, , 2192-4732
Disciplina	531 531.015
Soggetti	Engineering mathematics Mechanics Mechanics, Applied Fourier analysis Vibration Dynamics Engineering Mathematics Solid Mechanics Fourier Analysis Vibration, Dynamical Systems, Control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Harmonic Balance applied to mechanical systems -- Solving the governing algebraic equations -- Limitations of HB and alternatives -- Solved exercises and homework problems.
Sommario/riassunto	This monograph presents an introduction to Harmonic Balance for nonlinear vibration problems, covering the theoretical basis, its application to mechanical systems, and its computational implementation. Harmonic Balance is an approximation method for the computation of periodic solutions of nonlinear ordinary and

differential-algebraic equations. It outperforms numerical forward integration in terms of computational efficiency often by several orders of magnitude. The method is widely used in the analysis of nonlinear systems, including structures, fluids and electric circuits. The book includes solved exercises which illustrate the advantages of Harmonic Balance over alternative methods as well as its limitations. The target audience primarily comprises graduate and post-graduate students, but the book may also be beneficial for research experts and practitioners in industry.