

1. Record Nr.	UNINA9910149535703321
Autore	Higley John
Titolo	The endangered West : myopic elites and fragile social orders in a threatening world / / John Higley
Pubbl/distr/stampa	New Brunswick, New Jersey ; ; London, England : , : Transaction Publishers, , 2016 2016
ISBN	1-351-29538-1 1-4128-6378-3
Descrizione fisica	1 online resource (245 pages)
Disciplina	305.52
Soggetti	Elite (Social sciences) Social stratification Political development Economic development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Bold political elites and unique forms of social order brought the West to world dominance, but both are weakening dramatically in the contemporary period. The Endangered West makes the case for the continuation of Western power on as wide a global basis as is prudent. Is the survival of Western influence possible, or must we resign ourselves to its eventually being subordinated to more ruthless powers? Higley lays out the main policy lines that successful leadership will have to follow to preserve and strengthen Western societies. These include avoiding futile involvements in the internal problems of non-Western countries and preserving sufficient social order to permit public and private organizations to function. The West will also have to find a way to regularize treatment of the growing number of those who lack employment; invent new forms of useful work for Westerners to perform; inhibit large in-migrations, and discourage population growth. Above all, the West must address the threat of environmental disaster. There is no certain result in the struggle, but such measures

will help to prevent a slide into despotism or a lapse into barbarism. Half the battle is to hold on to what the West has and, if possible, extend it. Progress will be made if elites and opinion leaders address societies' problems more competently. If the West's prestige is restored, world tensions may gradually subside, making meeting global problems more possible.

2. Record Nr.	UNINA9911006701603321
Autore	Menzel Donald H
Titolo	Fundamental Formulas of Physics, Volume One
Pubbl/distr/stampa	Newburyport, : Dover Publications, 2012
ISBN	1-5231-0965-3 0-486-14511-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (863 p.)
Collana	Dover Books on Physics ; ; v.1
Disciplina	530.15
Soggetti	Mathematical physics Mathematics -- Formulae Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	DOVER BOOKS ON PHYSICS; Title Page; Copyright Page; PREFACE; Table of Contents; Chapter 1 - BASIC MATHEMATICAL FORMULAS; 1. Algebra; 2. Trigonometry; 3. Differential Calculus; 4. Integral Calculus; 5. Differential Equations; 6. Vector Analysis; 7. Tensors; 8. Spherical Harmonics; 9. Bessel Functions; 10. The Hypergeometric Function; 11. Laguerre Functions; 12. Hermite Functions; 13. Miscellaneous Functions; 14. Series; 15. Asymptotic Expansions; 16. Least Squares; 17. Statistics; 18. Matrices; 19. Group Theory; 20. Analytic Functions; 21. Integral Equations; Bibliography Chapter 2 - STATISTICS1. Introduction; 2. Standard Distributions; 3. Estimators of the Limiting Mean; 4. Measures of Dispersion; 5. The Fitting of Straight Lines; 6. Linear Regression; 7. The Fitting of Polynomials; 8. Enumerative Statistics; 9. Interval Estimation; 10.

Statistical Tests of Hypothesis; 11. Analysis of Variance; 12. Design of Experiments; 13. Precision and Accuracy; 14. Law of Propagation of Error; Chapter 3 - NOMOGRAMS; 1. Nomographic Solutions; Bibliography; Chapter 4 - PHYSICAL CONSTANTS; 1. Constants and Conversion Factors of Atomic and Nuclear Physics  
2. Table of Least-Squares-Adjusted Output ValuesBibliography; Chapter 5 - CLASSICAL MECHANICS; 1. Mechanics of a Single Mass Point and a System of Mass Points; Bibliography; Chapter 6 - SPECIAL THEORY OF RELATIVITY; 1. The Kinematics of the Space-Time Continuum; 2. Dynamics; 3. Miscellaneous Applications; 4. Spinor Calculus; 2. Fundamental Relativistic Invariants; Bibliography; Chapter 7 - THE GENERAL THEORY OF RELATIVITY; 1. Mathematical Basis of General Relativity; Bibliography; Chapter 8 - HYDRODYNAMICS AND AERODYNAMICS; 1. Assumptions and Definitions; 2. Hydrostatics; 3. Kinematics  
4. Thermodynamics5. Forces and Stresses; 6. Dynamic Equations; 7. Equations of Continuity for Steady Potential Flow of Nonviscous Fluids (see also 3.14, 3.15); 8. Particular Solutions of Laplace's Equation; 9. Apparent Additional Mass; 10. Airship Theory; 11. Wing Profile Contours; Two-dimensional Flow with Circulation; 12. Airfoils in Three Dimensions; 13. Theory of a Uniformly Loaded Propeller Disk; 14. Free Surfaces; 15. Vortex Motion; 16. Waves; 17. Model Rules; 18. Viscosity; 19. Gas Flow, One- and Two-Dimensional; 20. Gas Flows, Three Dimensional; 21. Hypothetical Gates  
22. Shockwaves23. Cooling; 24. Boundary layers; Bibliography; Chapter 9 - BOUNDARY VALUE PROBLEMS IN MATHEMATICAL PHYSICS; 1. The Significance of the Boundary; Bibliography; Chapter 10 - HEAT AND THERMODYNAMICS; 1. Formulas of Thermodynamics; Bibliography; Chapter 11 - STATISTICAL MECHANICS; 1. Statistics of Molecular Assemblies; Bibliography; Chapter 12 - KINETIC THEORY OF GASES : VISCOSITY, THERMAL CONDUCTION, AND DIFFUSION; 1. Preliminary Definitions and Equations for a Mixed Gas, Not in Equilibrium; 2. Results for a Gas in Equilibrium; 3. Nonuniform Gas  
4. The Gas Coefficients for Particular Molecular Models

## Sommario/riassunto

The republication of this book, unabridged and corrected, fills the need for a comprehensive work on fundamental formulas of mathematical physics. It ranges from simple operations to highly sophisticated ones, all presented most lucidly with terms carefully defined and formulas given completely. In addition to basic physics, pertinent areas of chemistry, astronomy, meteorology, biology, and electronics are also included. This is no mere listing of formulas, however. Mathematics is integrated into text, for the most part, so that each chapter stands as a brief summary or even short textbook of t