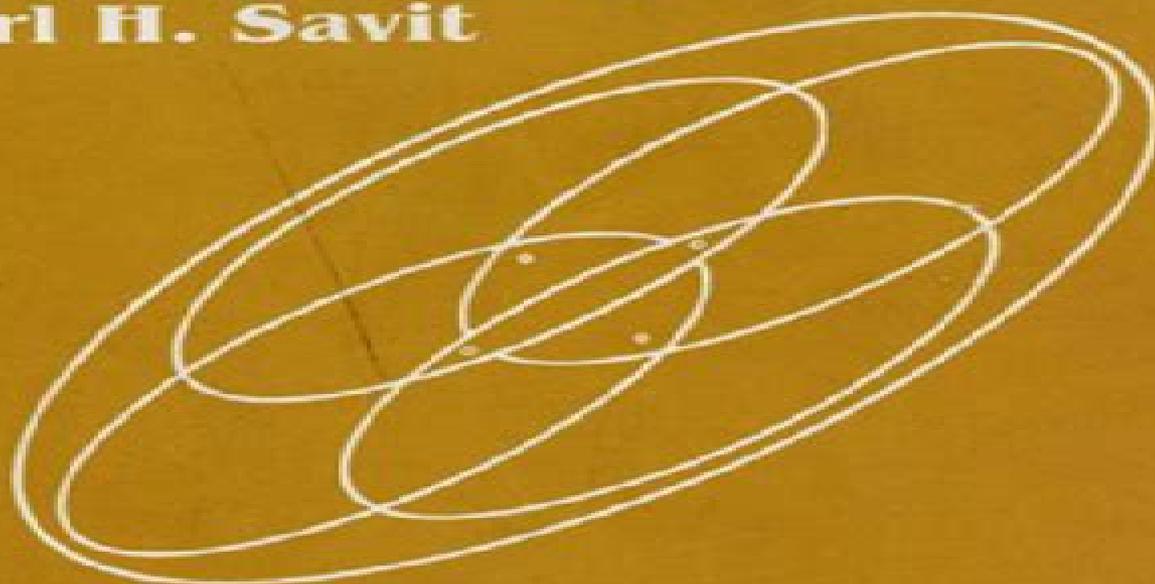


**INTRODUCTION TO**  
**GEOPHYSICAL**  
**PROSPECTING**

**Fourth Edition**

**Milton B. Dobrin**  
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# Introduction To Geophysical Prospecting 4th Edition

**Liying Dong**



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**Introduction to Geophysical Prospecting** Milton Burnett Dobrin, Carl H. Savit, 1988      **Fundamentals of Geophysics** William Lowrie, 1997-09-11 This textbook presents a comprehensive overview of the fundamental principles of geophysics. It combines applied and theoretical aspects of the subject in contrast to most other geophysics textbooks which tend to emphasise either one or the other. The author explains complex geophysical concepts using abundant diagrams, a simplified mathematical treatment and easy to follow equations. After placing the Earth in the context of the solar system it describes each major branch of geophysics: gravitation, seismology, dating, thermal and electrical properties, geomagnetism, palaeomagnetism and geodynamics. Each chapter begins with a summary of the basic physical principles and a brief account of each topic's historical evolution. Pitched at a level between introductory and advanced texts, the book will satisfy the needs of intermediate level earth science students from a variety of backgrounds while at the same time preparing geophysics majors for continued study to a higher level. The book is destined to become a core textbook for geology and geophysics courses.

**Geophysics in the Affairs of Mankind** Lee C. Lawyer, Charles Carpenter Bates, Robert B. Rice, 2001 This personalized narrative is both a technical and economic history showing how exploration geophysics evolved from simple scientific beginnings into a sophisticated science impacting civilization in diverse ways. It presents geophysics as an intriguing scientific and technical field full of sharp contrasts, revealing it as an unusual blend of the theoretical and the practical: the laboratory and the field, the nonprofit effort and the profit making venture, a cornerstone of peace and an implement of war. Written by members of the profession well acquainted with many of the key actions and players, this book describes intriguing developments and applications that took place within three interrelated fields of earth physics: exploration geophysics, seismology and oceanography during the never ending search for oil and natural gas. Stressing challenge and change, this chronicle is bracketed by two major flex points in Western civilization: the initial waging of deadly global war 1914-18 and the conclusion in the 1990s of the Cold War that threatened civilization with nuclear annihilation. It is a complex story of people and events that highlights the emergence of major industries on the international scene. The book is must reading for all practicing earth scientists and their families, investors in the industry and people interested in economic geology, public and world affairs, military warfare, the history of science and technology, environmental sciences and even outdoor adventure.

*Signal Processing for Ge...* Jean-Luc Mari, F. Glangeaud, Françoise Coppens,      **Practical Handbook of Soil, Vadose Zone, and Ground-Water Contamination** J. Russell Boulding, Jon S. Ginn, 2016-04-19 A synthesis of years of interdisciplinary research and practice, the second edition of this bestseller continues to serve as a primary resource for information on the assessment, remediation and control of contamination on and below the ground surface.

**Practical Handbook of Soil Vadose Zone and Ground Water Contamination Assessment** Prev      **Introduction Geophysical Prospecting** Milton B. Dobrin, 1960      **Economic Geology and the Bulletin of the Society of Economic**

**Geologists** ,1929     Economic Geology and the Bulletin of the Society of Economic Geologists ,1961     *McGraw-Hill encyclopedia of science & technology* McGraw-Hill,2002     **Understanding Amplitudes** Michael Burianyk,2021-09-23  
Elementary conceptual and easy to read this book describes the methods and techniques used to estimate rock properties from seismic data based on a sound understanding of the elastic properties of materials and rocks and how the amplitudes of seismic reflections change with those properties By examining the recorded seismic amplitudes in some detail we can deduce properties beyond the basic geological structure of the subsurface We can using AVO and other amplitude techniques characterize rocks and the reservoirs inside them with some degree of qualitative and even quantitative detail Mathematics is not ignored but is kept to a minimum Intended for geophysicists seismic acquisition specialists processors and interpreters even those with little previous exposure to quantitative interpretation interpretive processing or advanced seismic analysis this book also would be appropriate for geologists engineers and technicians who are familiar with the concepts but need a methodical review as well as managers and businesspeople who would like to obtain an understanding of these concepts

**Mining World** ,1960     **Earthquake Motion and Ground Conditions** □□□□□□,1993     *Directory of Geological Material in North America* Jesse V. Howell,Arville Irving Levorsen,1967     **Subject Guide to Books in Print** ,1993  
*Basic Exploration Geophysics* Edwin S. Robinson,Cahit Coruh,1988-07-28 Introduces geophysical methods used to explore for natural resources and to survey earth structure for purposes of geological and engineering knowledge These methods include seismic refraction and reflection surveying gravity and magnetic field surveying electrical resistivity and electromagnetic field surveying and geophysical well logging Covers modern field procedures and instruments as well as data processing and interpretation techniques including graphical methods All basic surveying methods are described step by step and illustrated by practical examples Well illustrated     *Books in Print* ,1993-09 V 1 Authors A D v 2 Authors E K v 3 Authors L R v 4 S Z v 5 Titles A D v 6 Titles E K v 7 Titles L Q v 8 Titles R Z v 9 Out of print out of stock indefinitely v 10 Publishers

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