

Mathematical Aspects Of Seismology By Markus Bath

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Technical Book Review Index - 1968

Books in Series - 1979

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Books in Series - R.R. Bowker Company 1980

American Book Publishing Record - 1981

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Developments in Solid Earth Geophysics, 4: Mathematical Aspects of Seismology introduces studies of the more advanced parts of theoretical seismology. The manuscript first ponders on contour integration and conformal transformation, methods of stationary phase and steepest descent, and series integration. Discussions focus on Love waves in heterogeneous isotropic media, Laguerre's differential equation, Hermite's differential equation, method of steepest descent, method of stationary phase, contour integration in the complex plane, and conformal transformation. The text then examines series integration, Bessel functions, Legendre functions, and wave equations. Topics include general considerations of the wave equation, expansion of a spherical wave into plane waves, common features of special functions and special differential

equations, applications of Legendre functions, Legendre polynomials, Bessel's differential equation, and properties of Bessel coefficients. The book explores the influence of gravity on wave propagation, matrix calculus, wave propagation in liquid media, integral equations, calculus of variations, and integral transforms. The text is a valuable source of data for researchers wanting to study the mathematical aspects of seismology.

Introduction to Seismology - M. Bath 2013-11-11 To Seismology Second, Revised Edition 1979 Springer Basel AG First published under Markus Bath, *Introduktion till Seism%gin by Natur och Kultur Stockholm* © 1970, Markus Bath and Bokforlaget Natur och Kultur, Stockholm CIP-Kurztitelaufnahme der Deutschen Bibliothek Bath, Markus: *Introduction to seismology / Markus Bath. - 2., rev. ed. (Wissenschaft und Kultur; Bd. 27) Einheitssacht. : Introduktion till seismologin (dt.)* ISBN 978-3-0348-5285-2 ISBN 978-3-0348-5283-8 (eBook) DOI 10.1007/978-3-0348-5283-8 All rights reserved No part of this book may be reproduced by any means, nor transmitted, nor translated into a machine language without the written permission of the publisher English translation © 1973, 1979 Springer Basel AG Ursprünglich erschienen bei Birkhlluser Verlag Basel 1979 Softcover reprint of the hardcover 2nd edition 1979 ISBN 978-3-0348-5285-2 The data must be greatly amplified Preface and strengthened. to the First Edition BE NO GUTENBERG (1959) The purpose of this book is to give a popular review of modern seismology, its research

methods, problems of current interest and results and also to some extent to elucidate the historical background. Especially in recent years, seismology has attracted much interest from the general public as well as from news agencies. The reasons for this are partly connected with recordings of large explosions (nuclear tests), partly related to earthquake catastrophes. This interest and the questions which people have asked us for the past years have to a certain extent served as a stimulus in the preparation of this book.

The British National Bibliography - Arthur James Wells 1976

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The English Catalogue of Books - 1968

U.S. Government Research & Development Reports - 1969

Library of Congress Catalog - Library of Congress 1972

Beginning with 1953, entries for Motion pictures and filmstrips, Music and phonorecords form separate parts of the Library of Congress catalogue. Entries for Maps and atlases were issued separately 1953-1955.

National Agricultural Library Catalog, 1966-1970: Subjects - National Agricultural Library (U.S.) 1973

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Geophysical Abstracts - Geological Survey (U.S.) 1969

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Technical and Scientific Books in Print - 1974

Comptes Rendus Des Séances - International Association of Seismology and Physics of the Earth's Interior 1967

Includes report of a meeting called "une réunion de reprise de contact, d'information et d'organisation," held at Strasbourg in 1947 between the 7th (1939) meeting in Washington and the 8th (1948) meeting in Oslo

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Journal of Petroleum Technology - 1985

The Publishers Weekly - 1969

The English Catalogue of Books [annual] - 1968

Vols. for 1898-1968 include a directory of publishers.

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Includes entries for maps and atlases.

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The Cumulative Book Index - 1969

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Introduction to Digital Filtering in Geophysics - O. Kulhánek 2012-12-02

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Bibliography and Index of Geology - 1988

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Library (U.S.) 1973

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