CLIFFORD M. WILL
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Clifford M. Will. Lorentz invariant theory for relativistic gravity testing, deriving conservation laws and parameter constraints from parametrized post-Newtonian equations of motion. View.Â Clifford M. Will. The post-Newtonian approximation is a method for solving Einstein's field equations for physical systems in which motions are slow compared to the speed of light and where gravitational fields are weak. Yet it has proven to be remarkably effective in describing certain strong-field, fast-motion systems, including binary pulsars containing dense neutron stars and binary black hole systems inspiraling toward a final merger. The reasons for this effectiveness are largely unknown. Clifford Martin Will (born 1946) is a Canadian-born theoretical physicist noted for his contributions to general relativity. Will was born in Hamilton, Ontario. In 1968, he earned a B.Sc. from McMaster University. At Caltech, he studied under Kip Thorne, earning his Ph.D. in 1971. He has taught at the University of Chicago and Stanford University, and in 1981 joined the faculty of Washington University in St. Louis. In 2012 he moved to a faculty position at the University of Florida. First published 1981 First paperback edition 1985 Revised edition 1993 A catalogue record for this publication is available from the British Library Library of Congress Cataloguing in Publication Data Will, Clifford M. Theory and experiment in gravitational physics / Clifford M. Will. Rev. ed. p. cm. Includes bibliographical references and index.Â Clifford M. Will 1992 xm. Preface to First Edition For over half a century, the general theory of relativity has stood as a monument to the genius of Albert Einstein. It has altered forever our view of the nature of space and time, and has forced us to grapple with the question of the birth and fate of the universe.