Record Nr. UNINA9910255346703321 Autore Huemer M Titolo Approaching Infinity [[electronic resource] /] / by M. Huemer Pubbl/distr/stampa London:,: Palgrave Macmillan UK:,: Imprint: Palgrave Macmillan,, 2016 1-349-71960-9 **ISBN** 1-137-56087-8 Edizione [1st ed. 2016.] 1 online resource (XIII, 275 p.) Descrizione fisica Disciplina 111/.6 Soggetti Metaphysics Mathematics—Philosophy Logic Philosophy of Mathematics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Includes bibliographical references and index. Nota di bibliografia Sommario/riassunto Approaching Infinity addresses seventeen paradoxes of the infinite, most of which have no generally accepted solutions. The book addresses these paradoxes using a new theory of infinity, which entails that an infinite series is uncompletable when it requires something to possess an infinite intensive magnitude. Along the way, the author addresses the nature of numbers, sets, geometric points, and related matters. The book addresses the need for a theory of infinity, and

reviews both old and new theories of infinity. It discussing the purposes of studying infinity and the troubles with traditional

some existing paradoxes.

approaches to the problem, and concludes by offering a solution to