Record Nr. UNINA9910136616103321 Autore Lewis Geraint F. Titolo A fortunate universe: life in a finely-tuned cosmos // Geraint F. Lewis. University of Sydney, Luke A. Barnes, University of Sydney; foreword by Brian Schmidt, Australian National University [[electronic resource]] Cambridge:,: Cambridge University Press,, 2016 Pubbl/distr/stampa 1-316-71480-2 **ISBN** 1-316-71578-7 1-316-71564-7 1-316-66141-5 1-316-71592-2 1-316-71648-1 1-316-71606-6 Descrizione fisica 1 online resource (xvii, 373 pages): digital, PDF file(s) Disciplina 576.8/3 Pattern formation (Physical sciences) Soggetti Pattern formation (Biology) Life - Origin Cosmology - Philosophy Universe Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Title from publisher's bibliographic system (viewed on 27 Oct 2016). Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Cover; Half-title page; Title page; Copyright page; Dedication; Contents; Foreword; Preface; Acknowledgements; 1 A Conversation on Fine-Tuning; 2 I'm Only Human!; 3 Can You Feel the Force?; 4 Energy and Entropy: 5 The Universe Is Expanding: 6 All Bets Are Off!: 7 A Dozen (or So) Reactions to Fine-Tuning; 8 A Conversation Continued; Further Reading; References; Index Sommario/riassunto Over the last forty years, scientists have uncovered evidence that if the Universe had been forged with even slightly different properties, life as we know it - and life as we can imagine it - would be impossible. Join

us on a journey through how we understand the Universe, from its most basic particles and forces, to planets, stars and galaxies, and back

through cosmic history to the birth of the cosmos. Conflicting notions about our place in the Universe are defined, defended and critiqued from scientific, philosophical and religious viewpoints. The authors' engaging and witty style addresses what fine-tuning might mean for the future of physics and the search for the ultimate laws of nature. Tackling difficult questions and providing thought-provoking answers, this volumes challenges us to consider our place in the cosmos, regardless of our initial convictions.