

1. Record Nr.	UNINA9910783914603321
Autore	Gonzalo Julio A (Julio Antonio)
Titolo	Inflationary cosmology revisited [[electronic resource]] : an overview of contemporary scientific cosmology after the inflationary proposal // Julio A. Gonzalo
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2005
ISBN	1-281-89698-5 9786611896980 981-270-123-0
Descrizione fisica	1 online resource (120 p.)
Disciplina	523.1
Soggetti	Inflationary universe Cosmology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Foreword; Prologue; Contents; Chapter 1 Steady State versus Big Bang Cosmology; Chapter 2 The Microwave CBR; Chapter 3 The Birth of Inflationary Cosmology; Chapter 4 The Cosmic Background Explorer (COBE); Chapter 5 Dark Matter, Cosmic Flatness & Accelerated Expansion; Chapter 6 The Microwave Anisotropy Probe (WMAP); Chapter 7 On the Monopole, Flatness and Horizon Problems; Chapter 8 An Alternative to Inflation?; Appendix How close are the cosmic times for matter/radiation equality and for atom formation?; A Brief Glossary; Index
Sommario/riassunto	Scientific Cosmology is clearly one of the most active physics research fields at present, and likely to remain so in the near future. Shortly after the pioneering cosmological work of Einstein, Georges Lemaitre proposed a model which some years later to be known as the big-bang model. In the early fifties an alternative proposal, the so called steady-state (expansion at constant density) model, became the fashionable model in prominent academic circles. The discovery of the cosmic background microwave radiation (Penzias & Wilson, 1965) made the steady-state model almost untenable. A quarter o

