Record Nr. UNINA9910454934203321 Autore Tassoul Jean Louis Titolo Stellar rotation / / Jean-Louis Tassoul [[electronic resource]] Cambridge:,: Cambridge University Press,, 2000 Pubbl/distr/stampa **ISBN** 1-107-11958-8 0-511-00963-1 1-280-42126-6 9786610421268 0-511-17254-0 0-511-15136-5 0-511-30206-1 0-511-54604-1 0-511-04969-2 Descrizione fisica 1 online resource (xv, 256 pages) : digital, PDF file(s) Collana Cambridge astrophysics;; 36 Disciplina 523.8 Soggetti Stars - Rotation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Title from publisher's bibliographic system (viewed on 05 Oct 2015). Note generali Nota di bibliografia Includes bibliographical references and indexes. Nota di contenuto Preliminaries; Contents; Preface; 1 Observational basis; 2 Rotating fluids; 3 Rotating stars; 4 Meridional circulation; 5 Solar rotation; 6 The early-type stars; 7 The late-type stars; 8 Tidal interaction; Epilogue; Subject index; Author index Sommario/riassunto Like the Earth and planets, stars rotate. Understanding how stars rotate is central to modelling their structure, formation and evolution, and how they interact with their environment and companion stars. This authoritative volume, first published in 2000, provides a lucid introduction to stellar rotation and the definitive reference to the subject. It combines theory and observation in a comprehensive survey of how the rotation of stars affects the structure and evolution of the Sun, single stars and close binaries. This book will be of primary interest to graduate students and researchers studying solar and stellar

rotation and close binary systems. It will also appeal to those with a more general interest in solar and stellar physics, star formation, binary

stars and the hydrodynamics of rotating fluids - including geophysicists, planetary scientists and plasma physicists.