

1. Record Nr.	UNISA996466812503316
Titolo	Problems of Stellar Convection [[electronic resource]] : Proceedings of the Colloquium No. 38 of the International Astronomical Union Held in Nice, August 16-20, 1976 // edited by E.A. Spiegel, J.P. Zahn
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1977
ISBN	3-540-35982-6
Edizione	[1st ed. 1977.]
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 71
Disciplina	520
Soggetti	Observations, Astronomical Astronomy—Observations Astrophysics Fluids Astronomy, Observations and Techniques Astrophysics and Astroparticles Fluid- and Aerodynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introductory remarks -- Historical reminiscences of the origins of stellar convection theory (1930 – 1945) -- The current state of stellar mixing-length theory -- On taking mixing-length theory seriously -- Observations bearing on the theory of stellar convection II -- Dynamical instabilities in stars -- Observations bearing on convection -- Evolution pattern of the exploding granules -- Granulation observations -- Some aspects of convection in meteorology -- Numerical methods in convection theory -- Compressible convection -- Convection in rotating stars -- Magnetic fields and convection -- Axisymmetric convection with a magnetic field -- Convective dynamos -- Penetrative convection in stars -- The boundaries of a convective zone -- Convective overshooting in the solar photosphere; A model granular velocity field -- Thermosolutal convection -- The URCA convection -- Photoconvection -- Convection in the helium flash -- Wave transport in stratified, rotating fluids -- Wave generation and

pulsation in stars with convective zones -- Fully developed turbulence, intermittency and magnetic fields -- Turbulence : Determinism and chaos -- Stellar convection.
