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Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1 Preliminaries -- 1.1 Hydrostatic Equilibrium -- 1.2 An Energy Principle -- 1.3 The Virial Theorem and Its Applications -- 1.4 The Constant-Density Model -- 1.5 Energy Generation and Transport -- 1.6 Stellar Dimensional Analysis -- 1.7 Evolutionary Lifetimes on the Main Sequence -- 1.8 Exercises -- 1.9 References and Suggested Readings -- 2 An Overview of Stellar Evolution -- 2.1 Pre-Main Sequence Evolution -- 2.2 Single Stars On and Near the Main Sequence -- 2.3 Evolution of Single Stars Off the Main Sequence -- 2.4 Late Stages of Evolution -- 2.5 Evolution in Close Binary Systems -- 2.6 Special Kinds of Stars -- 2.7 Concluding Remarks -- 2.8 Exercises -- 2.9 References and Suggested Readings -- 3 Equations of State -- 3.1 Distribution Functions -- 3.2 Blackbody Radiation -- 3.3 Ideal Monatomic Gas -- 3.4 The Saha Equation -- 3.5 Fermi-Dirac Equations of State -- 3.6 "Almost Perfect" Equations of State -- 3.7 Adiabatic Exponents and Other Derivatives -- 3.8 Exercises -- 3.9 References and Suggested Readings -- 4 Radiative and Conductive Heat Transfer -- 4.1 Radiative Transfer -- 4.2 The Diffusion Equation -- 4.3 A Brief Diversion into "?"s" -- 4.4 Radiative Opacity Sources -- 4.5 Heat Transfer by Conduction -- 4.6 Tabulated Opacities -- 4.7 References and Suggested Readings

-- 5 Heat Transfer by Convection -- 5.1 The Mixing Length Theory -- 5.2 Variations on the MLT -- 5.3 References and Suggested Readings -- 6 Stellar Energy Sources -- 6.1 Gravitational Energy Sources -- 6.2 Thermonuclear Energy Sources -- 6.3 The Proton-Proton Chains -- 6.4 The Carbon-Nitrogen-Oxygen Cycles -- 6.5 Helium-Burning Reactions -- 6.6 Carbon, Neon, and Oxygen Burning -- 6.7 Silicon "Burning" -- 6.8 Neutrino Emission Mechanisms -- 6.9 Exercises -- 6.10 References and Suggested Readings -- 7 Stellar Modeling -- 7.1 The Equations of Stellar Structure -- 7.2 Polytropic Equations of State and Polytropes -- 7.3 The Approach to Real Models -- 7.4 References and Suggested Readings -- 8 Structure and Evolution of the Sun -- 8.1 The Sun as the Prototype Star -- 8.2 From the ZAMS to the Present -- 8.3 The Solar Neutrino "Problem" -- 8.4 The Role of Rotation in Evolution -- 8.5 References and Suggested Readings -- 9 Structure and Evolution of White Dwarfs -- 9.1 Observed Properties of White Dwarfs -- 9.2 White Dwarf Evolution -- 9.3 The Magnetic White Dwarfs -- 9.4 References and Suggested Readings -- 10 Asteroseismology -- 10.1 Adiabatic Radial Pulsations -- 10.2 Nonadiabatic Radial Motions -- 10.3 An Introduction to Nonradial Oscillations -- 10.4 Helioseismology -- 10.5 Asteroseismology of White Dwarfs -- 10.6 References and Suggested Readings -- A Glossary -- B Physical and Astronomical Constants -- C Sample Computer Codes -- C.1 The ZAMS Model Builder -- C.2 Adiabatic Pulsation Code.

Sommario/riassunto

That trees should have been cut down to provide paper for this book was an ecological affront. From a book review. - Anthony Blond (in the Spectator, 1983) The first modern text on our subject, Structure and Evolution of the Stars, was published over thirty years ago. In it, Martin Schwarzschild described numerical experiments that successfully reproduced most of the observed properties of the majority of stars seen in the sky. He also set the standard for a lucid description of the physics of stellar interiors. Ten years later, in 1968, John P. Cox's two-volume monograph Principles of Stellar Structure appeared, as did the more specialized text Principles of Stellar Evolution and Nucleosynthesis by Donald D. Clayton-and what a difference ten years had made. The field had matured into the basic form that it remains today. The past twenty-plus years have seen this branch of astrophysics flourish and develop into a fundamental pillar of modern astrophysics that addresses an enormous variety of phenomena. In view of this it might seem foolish to offer another text of finite length and expect it to cover any more than a fraction of what should be discussed to make it a thorough and self-contained reference. Well, it doesn't. Our specific aim is to introduce only the fundamentals of stellar astrophysics. You will find little reference here to black holes, millisecond pulsars, and other "sexy" objects.

2. Record Nr.	UNINA9911149388203321
Autore	Kramer Charles
Titolo	Asian Equity Markets : : Growth, Opportunities, and Challenges / / Charles Kramer, Catriona Purfield, Hiroko Oura, Andreas Jobst
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (41 p.)
Collana	IMF Working Papers
Altri autori (Persone)	JobstAndreas OuraHiroko PurfieldCatriona
Soggetti	Stock exchanges - Asia Securities - Asia Asset prices Corporate Finance and Governance: Government Policy and Regulation Corporate Governance Corporate governance Deflation Emerging and frontier financial markets Finance Finance: General Financial institutions Financial Instruments Financial markets Financial services industry General Financial Markets: General (includes Measurement and Data) Industries: Financial Services Inflation Institutional Investors International Financial Markets Investment & securities

Investment Decisions
Investments: Stocks
Macroeconomics
Mutual funds
Non-bank Financial Institutions
Pension Funds
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Role & responsibilities of boards & directors
Stock exchanges
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Note generali	"December 2006."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""I. THE EMERGENCE OF ASIAN STOCK MARKETS""; ""II. PERFORMANCE OF ASIAN EMERGING STOCK MARKETS""; ""III. ARE ASIAN MARKETS OVERHEATING?""; ""IV. EQUITY PRICES AND ECONOMIC ACTIVITY""; ""V. POLICY IMPLICATIONS""; ""APPENDIX I: THE DEVELOPMENT OF EQUITY DERIVATIVES MARKETS IN ASIA""; ""REFERENCES""
Sommario/riassunto	Asian equity markets have grown significantly in size since the early 1990s, driven by strong international investor inflows, growing regional financial integration, capital account liberalization, and structural improvements to markets. The development of equity markets provides a more diversified set of channels for financial intermediation to support growth, thus bolstering medium-term financial stability. At the same time, as highlighted by the May-June 2006 market corrections, the increasing role of stock markets potentially changes the nature of macroeconomic and financial stability risks, as well as the policy requirements for dealing with these risks.