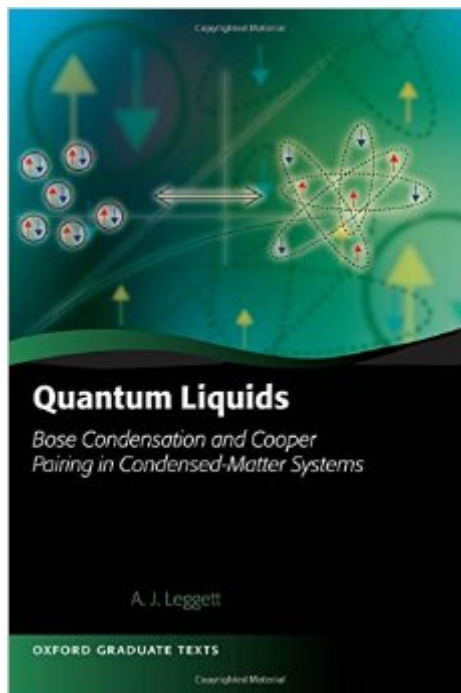


The book was found

# Quantum Liquids: Bose Condensation And Cooper Pairing In Condensed-Matter Systems (Oxford Graduate Texts)



## Synopsis

Starting from first principles, this book introduces the closely related phenomena of Bose condensation and Cooper pairing, in which a very large number of single particles or pairs of particles are forced to behave in exactly the same way, and explores their consequences in condensed matter systems. Eschewing advanced formal methods, the author uses simple concepts and arguments to account for the various qualitatively new phenomena which occur in Bose-condensed and Cooper-paired systems, including but not limited to the spectacular macroscopic phenomena of superconductivity and superfluidity; the physical systems discussed include liquid 4-He, the BEC alkali gases, "classical" superconductors, superfluid 3-He, "exotic" superconductors and the recently stabilized Fermi alkali gases. The book should be accessible to beginning graduate students in physics or advanced undergraduates.

## Book Information

Series: Oxford Graduate Texts

Hardcover: 408 pages

Publisher: Oxford University Press; 1 edition (November 23, 2006)

Language: English

ISBN-10: 0198526431

ISBN-13: 978-0198526438

Product Dimensions: 9.8 x 1 x 6.6 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #1,275,524 in Books (See Top 100 in Books) #180 in [Books > Science & Math > Physics > Nuclear Physics > Atomic & Nuclear Physics](#) #424 in [Books > Science & Math > Physics > Solid-State Physics](#) #1147 in [Books > Science & Math > Physics > Quantum Theory](#)

## Customer Reviews

Great book! I use it on daily bases.

[Download to continue reading...](#)

Quantum Liquids: Bose Condensation and Cooper Pairing in Condensed-Matter Systems (Oxford Graduate Texts) Many-Body Quantum Theory in Condensed Matter Physics: An Introduction (Oxford Graduate Texts) Soft Condensed Matter (Oxford Master Series in Condensed Matter Physics, Vol. 6) Polymers and Neutron Scattering (Oxford Series on Neutron Scattering in

Condensed Matter) Beer Pairing: The Essential Guide from the Pairing Pros BEER: Beer Tasting & Food Pairing: Become An Expert In Beer Tasting, Food Pairing & Flavor Profiling (Beer, Beer Brewing, Beer Bible, Beer Making Book 1) Theory of Simple Liquids: with Applications to Soft Matter Matter, Dark Matter, and Anti-Matter: In Search of the Hidden Universe (Springer Praxis Books) Quantum Groups (Graduate Texts in Mathematics) Energy Landscapes, Inherent Structures, and Condensed-Matter Phenomena Neutron, X-rays and Light. Scattering Methods Applied to Soft Condensed Matter (North-Holland Delta Series) Green's Functions and Condensed Matter (Dover Books on Physics) Protein Physics, Second Edition: A Course of Lectures (Soft Condensed Matter, Complex Fluids and Biomaterials) Condensed Matter Physics Time-Dependent Density-Functional Theory: Concepts and Applications (Oxford Graduate Texts) Phase Transitions and Renormalization Group (Oxford Graduate Texts) Riemann Surfaces (Oxford Graduate Texts in Mathematics) Books of Breathing and Related Texts -Late Egyptian Religious Texts in the British Museum Vol.1 (Catalogue of the Books of the Dead and Other Religious Texts in the British Museum) Quantum Thermodynamics: Emergence of Thermodynamic Behavior Within Composite Quantum Systems (Lecture Notes in Physics) Insider's Guide to Graduate Programs in Clinical and Counseling Psychology (Insider's Guide to Graduate Programs in Clinical & Counseling Psychology)

[Dmca](#)