



Bose-Condensed Gases at Finite Temperatures

Allan Griffin, Tetsuro Nikuni, Eugene Zaremba

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The discovery of Bose-Einstein condensation (BEC) in trapped ultracold atomic gases in 1995 has led to an explosion of theoretical and experimental research on the properties of Bose-condensed dilute gases. The first treatment of BEC at finite temperatures, this book presents a thorough account of the theory of two-component dynamics and nonequilibrium behaviour in superfluid Bose gases. It uses a simplified microscopic model to give a clear, explicit account of collective modes in both the collisionless and collision-dominated regions. Major topics such as kinetic equations, local equilibrium and two-fluid hydrodynamics are introduced at an elementary level. Explicit predictions are worked out and linked to experiments. Providing a platform for future experimental and theoretical studies on the finite temperature dynamics of trapped Bose gases, this book is ideal for researchers and graduate students in ultracold atom physics, atomic, molecular and optical physics and condensed matter physics.

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Adam Allen:

A lot of people always spent their particular free time to vacation or go to the outside with them loved ones or their friend. Were you aware? Many a lot of people spent they will free time just watching TV, or playing video games all day long. If you want to try to find a new activity that's look different you can read some sort of book. It is really fun for yourself. If you enjoy the book that you read you can spent all day every day to reading a book. The book Bose-Condensed Gases at Finite Temperatures it is rather good to read. There are a lot of people who recommended this book. These were enjoying reading this book. When you did not have enough space to create this book you can buy the actual e-book. You can m0ore easily to read this book through your smart phone. The price is not too expensive but this book offers high quality.

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