



## The Wonders of Physics (3rd Edition)

*By Andrey Varlamov, Lev Aslamazov*

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Readership: General readers and individuals with an interest in physics.

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## **Editorial Review**

### Review

*"This ability to understand many different things using very few fundamental principles and a rational reasoning lies in the heart of physics, great science about fundamental laws of Nature. Very few authors are able to speak about these fundamentals to the laymen. The authors of this book can. Read the book and enjoy it." -- Prof D E Khmelnitskii, Cavendish Laboratory, Cambridge, UK*

*"This is an informal, charming, and idiosyncratic book with a strongly personal choice of topics. Overall, a well-written, engaging text covering both nonstandard and appropriate subjects." -- CHOICE*

### From the Inside Flap

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### About the Author

#### **Andrey Varlamov:**

Was born April, 25, 1954 in Kiev. In 1977 got his master degree cum laude at Moscow Institute for Physics and Technology. In 1980, under supervision of Alex Abrikosov, got his Ph.D. in Condensed Matter Physics. Was awarded the USSR State Prize in Physics for young scientists (1986), the degree of Doctor of Sciences (Habilitation) in Condensed Matter Physics (1988). Had been worked as researcher (1981- 85), associate professor (1986-89, full professor (1990-1999) of the Department of Theoretical Physics of the Moscow Institute for Steel and Alloys (Technological University. Had been worked (1993) as the invited fellow at the Condensed Matter Theory Group of Argonne National Laboratory, USA. Since 1999 has been the principal investigator of the Italian National Research Council (CNR). The main fields of scientific interests are: superconductivity, theory of metals, theory of phase transitions, nanophysics. The author of six books, five review articles, more than 120 scientific papers. Member of the Editorial Boards of "Kvant", scientific-popularizing magazine of the Russian Academy of Sciences , vice-Editor in Chief of 'Kvant' magazine (1986-1992).

#### **Lev Aslamazov:**

Was born January, 6, 1944 in Batumi. In 1967 got master degree cum laude at Moscow Institute for Physics and Technology. In 1970, under supervision of Anatoly Larkin, got his Ph.D. in Condensed Matter Physics at Landau Institute for Theoretical Physics. Since 1970 had been worked in the same institute as the researcher, principal researcher. Since 1976 became associate professor (1976-80) of the Moscow Institute for Steel and Alloys (Technological University). In 1980 was awarded the degree of Doctor of Sciences (Habilitation) in

Condensed Matter Physics and became full professor of the Department of Theoretical Physics. The main fields of his scientific interests were: superconductivity, theory of metals, theory of phase transitions. The author of more than 100 papers, three books, many years had been executed the duties of vice-Editor in Chief of "Kvant" magazine, the scientific popular of the Russian Academy of Sciences. Died in 1986.

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