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At the end of 2023, the Bulgarian Academy of Sciences Publishing House "Prof. Marin Drinov" published the second revised and supplemented edition of the book "Introduction to Cosmonautics" by Prof. Doctor of Technical Sciences and Doctor of Physics Eng. Garo Mardirossian. The author is well known to space research and technology specialists for his ten books, over 150 scientific publications and reports, more than 60 patents, and hundreds of popular science articles in print and electronic media.



The book "Introduction to Cosmonautics" is dedicated to an interesting and complex interdisciplinary field of scientific and applied science – space research and technology.

After a brief synopsis of outer space, the Earth-orbiting Cosmos, and their study, the reader is introduced to the individual elements of cosmonautics. The spacecraft, their orbits for various purposes and the ground-based space complexes are examined. The main ideas in cosmonautics follow – construction of space apparatuses, space physics, space meteorology, remote sensing of the Earth, space materials science and materials production, space communication systems, space navigation and geodetic systems, space biology, and medicine.

Brief information on the application of space technologies in military affairs and security is also presented. The last part of the book is devoted to studying some of the solar system planets.

Naturally, this second revised and supplemented edition also includes the most significant successes and achievements of world cosmonautics in the period from the first edition in 2012 of the book until now. It also provides a brief overview of the historical development and more significant successes of space research and technology in Bulgaria.

The book also includes some of the results obtained by the author during his more than 40-year work at the Space Research and Technologies Institute (SRTI) at the Bulgarian Academy of Sciences.

The book is intended for a wide readership – researchers in the field of space studies, Earth sciences (geography, geophysics, geology, hydrology, meteorology, etc.), natural sciences, aviation and cosmonautics, as well as teachers and students in secondary schools and higher civilian and military educational institutions.

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