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Space Radio Science (Earth Space Institute Book Series)

O.I. Yakovlev

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O.I. Yakovlev : Space Radio Science (Earth Space Institute Book Series) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Space Radio Science (Earth Space Institute Book Series):

Space Radio Science deals with the theory and practice of space communications with Earth's satellites and interplanetary probes, interstellar radio communications in our galaxy, and the effects of gravitational fields on propagating radio waves. The text describes a method of radio occultation used to monitor planetary atmosphere and ionosphere. The author considers remote sensing of circumsolar and interplanetary plasmas, as well as of the Earth and

other planets in the solar system. The book provides a comprehensive analysis of radiophysical problems and methods, as well as the benefits of various spacecraft and radio signals. It looks at problems such as gravitational pull and its effect on the propagation of radio waves. This monograph is ideal for radio-physicists, engineers and students in space radiophysics, remote sensing, propagation of radio waves and space communications.

About the Author Oleg I. Yakovlev is of the Institute of Radioengineering and Electronics in Russia.