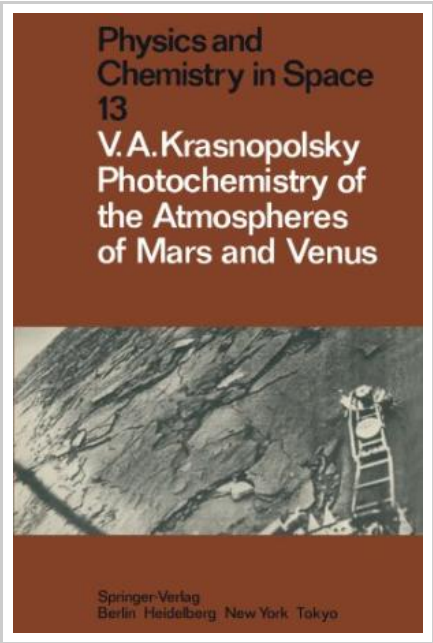

Photochemistry of the Atmospheres of Mars and Venus

By Vladimir A. Krasnopolsky

Springer. Paperback. Book Condition: New. Paperback. 348 pages. Dimensions: 9.0in. x 6.1in. x 0.8in.Spacecraft study of the Solar system is one of humanitys most outstanding achievements. Thanks to this study, our present knowledge of properties of and conditions on the planets exceeds many-fold that of 20 years ago: planets have been rediscovered. This is especially the case for planetary atmospheres, whose properties were for the most part either not at all or only erroneously known. Much research has been invested in the study of the atmospheres of Mars and Venus, and their chemical composition and photochemistry are basic problems in these studies. In the present publication I have tried to summarize all findings in this field. The English version of the book includes new data in the field from the last 3 years since the book was published in Russian. I wish to thank U. von Zahn, who initiated my talks with Springer-Verlag and acted as technical editor. December 2, 1985 V. A. KRASNOPOLSKY Contents Introduction . . . 1 1 Chemical Composition and Structure of the Martian Atmosphere 4 1. 1 Carbon Dioxide and Atmospheric Pressure . . . 4 1. 2 CO and O Mixing Ratios . ....

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