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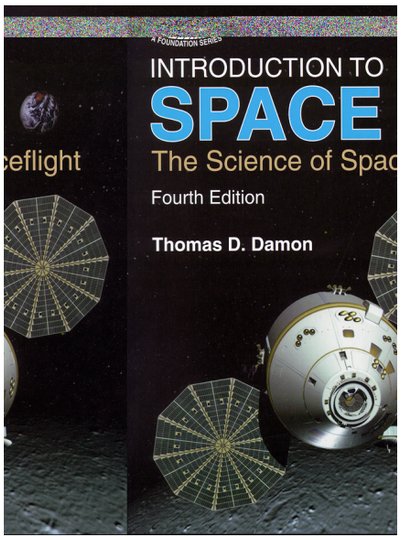

INTRODUCTION TO SPACE: The Science of Spaceflight

by Thomas D. Damon

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NASA is again reorganizing its resources to accomplish its fluctuating missions. The fourth edition of *Introduction to Space: The Science of Spaceflight* has received a major overhaul to bring to you a readable understanding of how these goals may be achieved. The basics of propulsion, orbital mechanics, the space environment, and satellite operations are updated. New Information is included on the completion of the International Space Station, the next generation of space vehicles, how we can live on the Moon and Mars, and whether or not there is life elsewhere in the universe. The book is now profusely illustrated throughout with 274 illustrations of which 102 are in color. All measurements are presented in both common units and in the international System of Units (SI), commonly called metric units.

ABOUT THE AUTHOR

Thomas D. Damon is Emeritus Professor of Physics, Astronomy, and Space Sciences at Pikes Peak Community College in Colorado Springs, Colorado. His undergraduate degree is in physics and mathematics; his graduate work at the University of Wisconsin is in meteorology, specializing in upper atmosphere physics. During a career in the U.S. Air Force, he was part of the group that provided space environment information to Air Force Space Command and on potentially hazardous solar activity during the Apollo flights to the Moon. Professor Damon was an associate director of the Colorado Space Grant Consortium, a member of the Astronomy Committee of the American Association of Physics Teachers, and is on the Board of Advisors of the National Space Science & Technology Institute.

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