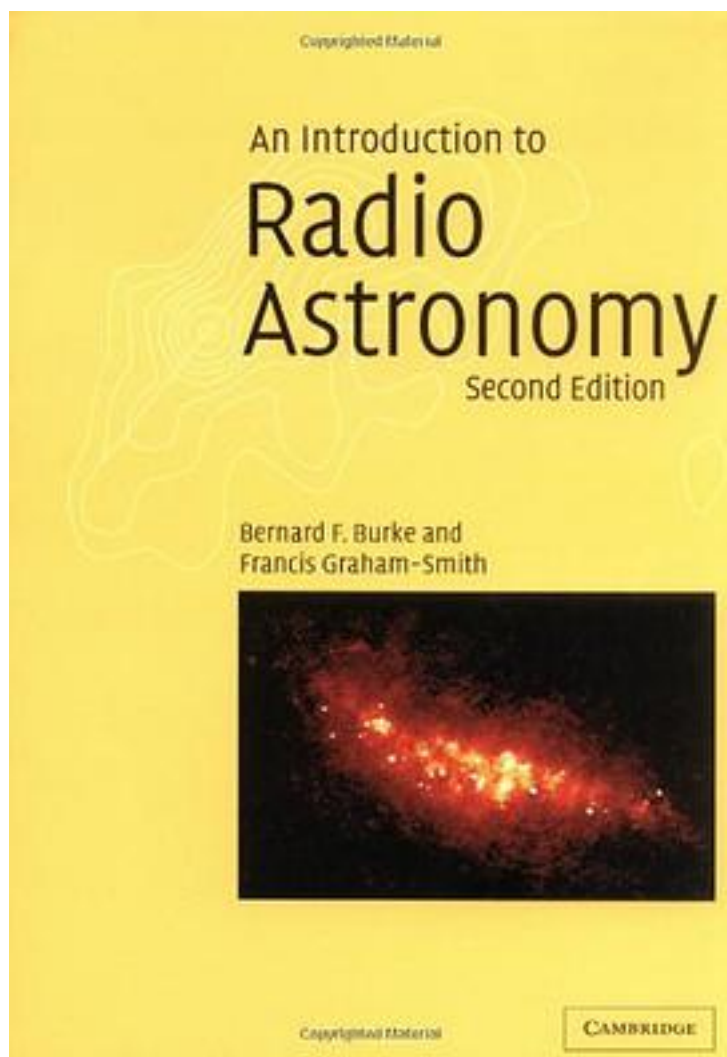


An Introduction to Radio Astronomy



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Radio astronomy uses unique observational techniques and offers the only way to investigate many phenomena in the Universe. This book, by two founders of the field, presents both a clear introduction to radio telescopes and techniques, and a broad overview of the radio universe. The material in this new edition has been expanded and updated, reflecting the developments in the field over the last decade. New material reflects the increasing use of aperture synthesis and Very Long Baseline Interferometry, and the further exploitation of molecular spectral lines. A new chapter is devoted to the fundamentals of radiation and propagation theory. The second half of the book constitutes a review of radio observations of our Milky Way galaxy. Wide-ranging and clearly written, this book provides a thorough and up-to-date introduction to the subject for graduate students, and an invaluable overview for researchers turning to radio astronomy for the first time.

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