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Nota di contenuto	Supernovae -- Historical Supernovae -- Classification of Supernovae -- Supernova Rates -- Optical Spectra of Supernovae -- Optical Light Curves of Supernovae -- X-Ray Supernovae -- Ultraviolet Supernovae -- Radio Supernovae -- Supernova Interaction with a Circumstellar Medium -- Measuring Cosmology with Supernovae -- Supernova 1987A -- Supernovae to $\gamma$ -Ray Bursters -- SN1998bw and Hypernovae -- Supernovae and $\gamma$ -Ray Bursters -- $\gamma$ -Ray Bursters -- Observational Properties of Cosmic $\gamma$ -Ray Bursts -- X-Ray Observations of $\gamma$ -Ray Burst Afterglows -- Optical Observations of $\gamma$ -Ray Burst Afterglows -- Radio Observations of $\gamma$ -Ray Burst Afterglows -- Gamma-Ray Bursts: The Underlying Model -- Ambient Interaction Models for $\gamma$ -Ray Burst Afterglows -- Cosmological Studies with $\gamma$ -Ray Bursts.

## Sommario/riassunto

Written by an international team of experts, this set of tutorial reviews provides a coherent and accessible summary of the current state of supernova research in all of its facets. The newly detected gamma-ray bursts are discussed in this context. While primarily addressing astrophysicists and astronomers, this book will also be of interest to cosmologists and nuclear physicists working on supernova-related issues.

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