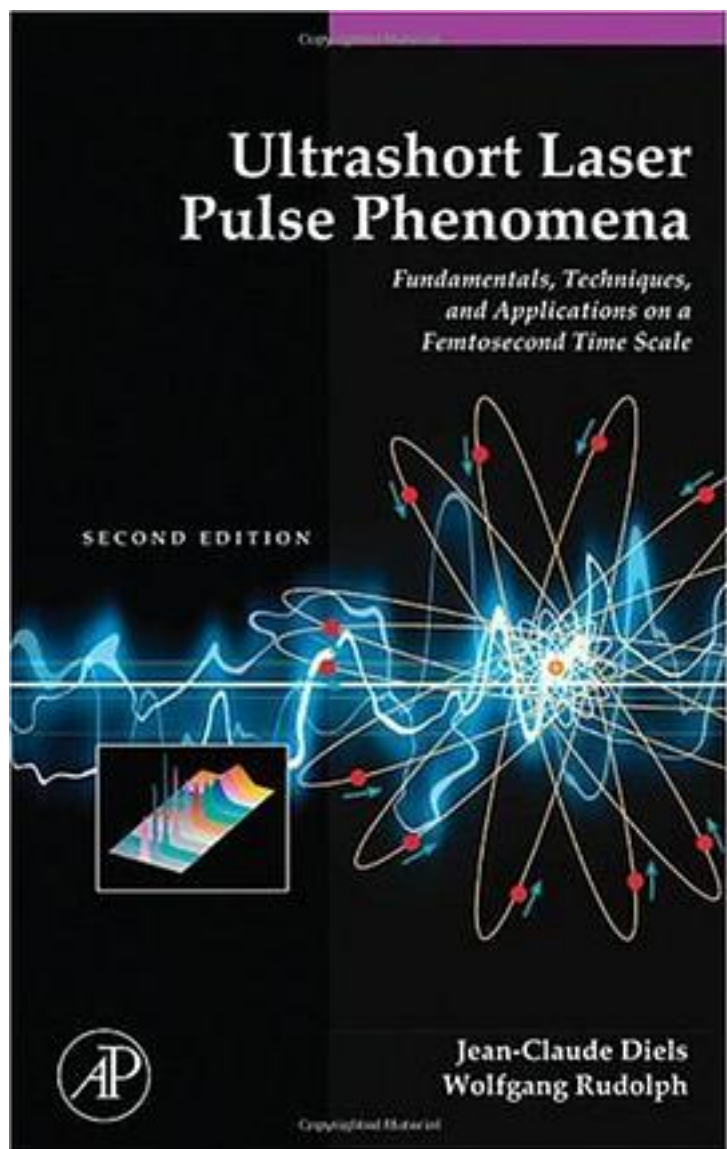


Ultrashort Laser Pulse Phenomena, Second Edition (Optics and Photonics Series)



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在线阅读本书

Ultrashort Laser Pulse Phenomena serves as an introduction to the phenomena of ultrashort laser pulses and describes how this technology can be applied in areas such as spectroscopy, medical imaging, electromagnetism, optics, and quantum physics. Combining the principles with experimental techniques, the book serves as a guide to designing and constructing femtosecond systems. The second edition has updated and expanded its content, and includes more examples of ultrashort sources and a more comprehensive fundamentals chapter. Diagnostic techniques and applications involving sensors, mode-locked lasers, and imaging have been fully revised to include current technologies. Written in a tutorial style, this book is suitable for senior undergraduate and graduate students as well as engineers and scientists working in the areas of optics, spectroscopy, optical imaging, photochemistry, and ultrafast science and engineering.

*Provides an easy to follow guide through "faster than electronics" probing and detection methods *THE manual on designing and constructing femtosecond systems and experiments *Discusses essential technology for applications in micro-machining, femtochemistry, and medical imaging

作者介绍:

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