The theory of short optical pulse generation by modelocking is covered in the first chapter. Presenting both theoretical and experimental aspects throughout, this book will be invaluable to anyone interested in short pulse laser systems, and particularly to researchers involved in high-speed communications or the investigation of ultrafast phenomena. Beyond the simple optical system, the various sources of ultrashort pulses are presented, again with emphasis on the basic concepts and how they apply to the design of particular sources (dye lasers, solid state lasers, semiconductor lasers, fiber lasers, and sources based on frequency conversion). Provides an easy to follow guide through "faster than electronics" probing and detection methods. International Journal of Instruction is an internationally recognized journal in the field of education and is published four times a year (in January, April, July & October). The aim of this journal is to publish high quality studies in the areas of instruction, learning, teaching, curriculum development, learning environments, teacher education, educational technology, educational developments. Studies may relate to any age level - from infants to adults. UI, being an international journal, our editorial advisory board members are from various countries around the world. The articles se You can write a book review and share your experiences. Other readers will always be interested in your opinion of the books you've read. Whether you've loved the book or not, if you give your honest and detailed thoughts then people will find new books that are right for them. 1. Companion planting : basic concepts & resources. ATTRA. George Kuepper, Appropriate Technology Transfer for Rural Areas (Organization). Year Ultrashort laser pulses with durations in the femtosecond range up to a few picoseconds provide a unique method for precise materials processing or medical applications. Paired with the recent developments in ultrashort pulse lasers, this technology is finding its way into various application fields. The book gives a comprehensive overview of the principles and applications of ultrashort pulse lasers, especially applied to medicine and production technology. Recent advances in laser technology are discussed in detail. This covers the development of reliable and cheap low power laser sources as