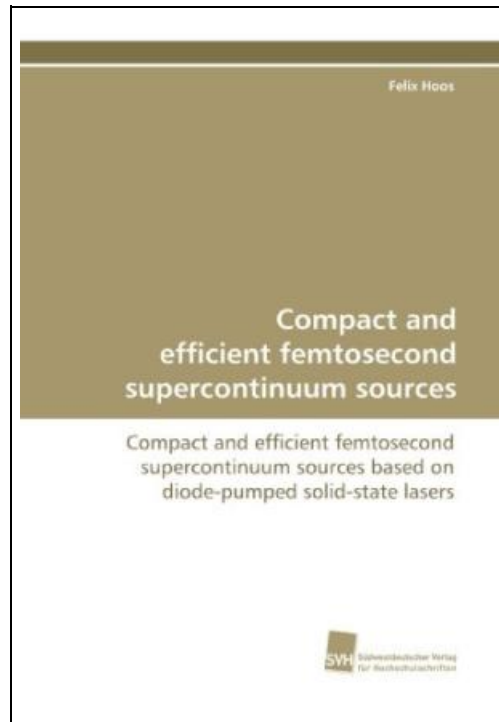


Compact and efficient femtosecond supercontinuum sources



Filesize: 2.63 MB

Reviews

I just started out looking over this ebook. it was writtern extremely perfectly and useful. You are going to like the way the blogger publish this book.

(Micaela Kutch)

COMPACT AND EFFICIENT FEMTOSECOND SUPERCONTINUUM SOURCES



To save **Compact and efficient femtosecond supercontinuum sources** eBook, remember to click the link listed below and save the document or get access to additional information which are have conjunction with COMPACT AND EFFICIENT FEMTOSECOND SUPERCONTINUUM SOURCES book.

Condition: New. Publisher/Verlag: Südwestdeutscher Verlag für Hochschulschriften | Compact and efficient femtosecond supercontinuum sources based on diode-pumped solid-state lasers | This work deals with the realization of compact and multi-Watt femtosecond supercontinuum sources based on diode-pumped laser oscillators and highly nonlinear glass fibers. Micro-structured fibers, either tapered fibers or photonic crystal fibers (PCF), can convert narrow band laser light into multiple octave broad spectra. Average powers of several Watts and conversion efficiencies of more than 50 % can be achieved. In the femtosecond regime, a unique property of those spectra is a high spectral phase coherence. The main part of this thesis describes the development of two diode-pumped sub-200 fs laser oscillators. On one hand, a very compact 20 MHz Yb:glass laser, on the other hand, a highly efficient multi-Watt 44 MHz Yb:KGW oscillator. The latter system is based on a thorough study of Yb:KGW slab-oscillators pumped by broad-area laser diodes. The thermal effects in the Yb:KGW crystal slabs pumped by high-power broad-area diodes were investigated in detail experimentally as well as numerically. The second part of this work comprises a study of the properties of supercontinua generated in tapered fibers with Ytterbium lasers with typical wavelengths around 1 μm . | Format: Paperback | 214 gr | 148 pp.



[Read Compact and efficient femtosecond supercontinuum sources Online](#)



[Download PDF Compact and efficient femtosecond supercontinuum sources](#)



[Download ePub Compact and efficient femtosecond supercontinuum sources](#)

Relevant eBooks



[PDF] Decameron and the Philosophy of Storytelling: Author as Midwife and Pimp (Hardback)

Follow the hyperlink under to read "Decameron and the Philosophy of Storytelling: Author as Midwife and Pimp (Hardback)" PDF file.

[Read Book »](#)



[PDF] What is in My Net? (Pink B) NF

Follow the hyperlink under to read "What is in My Net? (Pink B) NF" PDF file.

[Read Book »](#)



[PDF] Serenade for Winds, Op. 44 / B. 77: Study Score

Follow the hyperlink under to read "Serenade for Winds, Op. 44 / B. 77: Study Score" PDF file.

[Read Book »](#)



[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Follow the hyperlink under to read "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications ." PDF file.

[Read Book »](#)



[PDF] Sport is Fun (Red B) NF

Follow the hyperlink under to read "Sport is Fun (Red B) NF" PDF file.

[Read Book »](#)



[PDF] My Life as a Third Grade Zombie: Plus Free Online Access (Hardback)

Follow the hyperlink under to read "My Life as a Third Grade Zombie: Plus Free Online Access (Hardback)" PDF file.

[Read Book »](#)



[PDF] Shadows Bright as Glass: The Remarkable Story of One Man's Journey from Brain Trauma to Artistic Triumph

Click the hyperlink listed below to get "Shadows Bright as Glass: The Remarkable Story of One Man's Journey from Brain Trauma to Artistic Triumph" document.

[Download eBook »](#)



[PDF] Carnival Overture, Op.92 / B.169: Study Score

Click the hyperlink listed below to get "Carnival Overture, Op.92 / B.169: Study Score" document.

[Download eBook »](#)



[PDF] Career as a News Reporter: Journalist

Click the hyperlink listed below to get "Career as a News Reporter: Journalist" document.

[Download eBook »](#)



[PDF] The Water Goblin, Op. 107 / B. 195: Study Score

Click the hyperlink listed below to get "The Water Goblin, Op.107 / B. 195: Study Score" document.

[Download eBook »](#)



[PDF] Hussite Overture, Op. 67 / B. 132: Study Score

Click the hyperlink listed below to get "Hussite Overture, Op. 67 / B. 132: Study Score" document.

[Download eBook »](#)



[PDF] Trucktown: It is Hot (Pink B)

Click the hyperlink listed below to get "Trucktown: It is Hot (Pink B)" document.

[Download eBook »](#)