

Download Optical Solitons From Fibers To Photonic Crystals

SCIENTIFIC PUBLICATIONS "Polarization-Independent Optical Broadband Angular Selectivity" () Yurui Qu, Yichen Shen, Kezhen Yin, Yuanqing Yang, Qiang Li, Min Qiu, and Marin Soljacic. ACS Photonics 2018 Vol.5, 4125. "Smith–Purcell Radiation from Low-Energy Electrons" () Aviram Massuda, Charles Roques-Carnes, Yujia Yang, Steven E. Kooi, Yi Yang, Chitraang Murdia, Karl K. Berggren, Ido Kaminer ...In optics, the term soliton is used to refer to any optical field that does not change during propagation because of a delicate balance between nonlinear and linear effects in the medium. There are two main kinds of solitons: spatial solitons: the nonlinear effect can balance the diffraction. The electromagnetic field can change the refractive index of the medium while propagating, thus ...IN MEMORIAM OF PROFESSOR EVGUENY MIKHAILOVICH DIANOV . It is with the greatest sadness that we write to announce that Professor Evgueny Mikhailovich DIANOV, a prominent scientist in the field of fiber optics, laser physics, and optical materials, the founder of the Fiber Optics Research Center of the Russian Academy of Sciences (FORC), its long-time Director and Scientific Leader, passed away ...The physical processes behind supercontinuum generation in fibers can be very different, depending particularly on the chromatic dispersion and length of the fiber (or other nonlinear medium), the pulse duration, the initial peak power and the pump wavelength. When femtosecond pulses are used, the spectral broadening can be dominantly caused by self-phase modulation. - Optical Solitons From Fibers To Photonic Crystals