

INVESTIGATION OF POSSIBILITIES TO CONTROL  
FEMTOSECOND SUPERCONTINUUM  
CHARACTERISTICS

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S u m m a r y

The generation of a supercontinuum in the spectral range 530–1100 nm in a series of photon-crystal fibers pumped by a femtosecond Ti:S laser Mira Optima 900-F is obtained. The evolution of spectral characteristics of the femtosecond supercontinuum depending on the pump pulse wavelength and the power radiation is studied. The polarization characteristics of spectral components of the supercontinuum are analyzed. The possibility of a control over the femtosecond supercontinuum generation is experimentally demonstrated.