

The measurement of pulse dependencies is most relevant for cases of mechanical action on the FBG, since the change in temperature in FBGs is a relatively slow process. Let us consider ...

He worked there as an electronic engineer between 2012 and 2016, mainly developing projects concerning optical sensors and fiber Bragg grating devices. He currently works as an Intellectual ...

Here we offer a short explanation of FBGs provided as excerpts from the SPIE Tutorial Text, Fiber Bragg Gratings: Theory, Fabrication, and Applications. Bragg gratings are one of the ...

In this paper, we report a high-power all-fiber CPA system using a CVBG as the compressor and photonic crystal fiber (PCF) for optimizing pulse duration. To our knowledge, this is ...

The text details various types of dispersive pulse stretchers, including optical fibers, prism pairs, diffraction grating pairs, and chirped Bragg gratings. It compares their properties regarding the ...

The results of the application of the Bragg gratings for the experimental determination of the deformation rate of materials under pulsed magnetic action are presented. Experimentally ...

Calculate fiber modes and other properties with MODE and FEEM. Examples: No edit below the lines.

To illustrate the pulse stretching performance of the written CFBG, we conducted the pulse broadening experiments in a FCPA system. The experimental setup is shown in Fig. 7.

In a photon-counting fiber Bragg grating (FBG) sensing system, a shorter probe pulse width reaches a higher spatial resolution, which inevitably causes a spectrum broadening according to...

We numerically and experimentally investigate the multi-pulsing mechanism in a dispersion-managed mode-locked Yb-doped fiber laser. Multi-pulsing occurs primarily owing to the inherent filtering effect ...

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