

Optical Module Hysteresis Effect



Overview

Optical hysteresis refers to the phenomenon where the optical response of a system or device depends on the history of the input optical signal. In this paper, we study the optical-hysteresis regime in a driven-dissipative Bose-Hubbard dimer under a symmetric configuration and analyze the classical optical bistability with the Gross-Pitaevskii mean-field approach. In the data below, we used the OpTest Thermal Module to track the flange focal length of three lenses over a range of -10 to $+60^{\circ}\text{C}$. Overlaid is a line representing the expected FFL shift. Distribution and simultaneous local control of the optical hysteresis shape Mohamed Maafa, Saif A. Al Grait, Son Kim Pham, and Drew N. By manipulating the optoelectronic effect of this device, we introduce a hysteresis effect at the silicon-silicon oxide interface, which in turn demonstrates multi-level, non-volatile. Herein, we demonstrate a route to realize precise control for the electrical transport of a single $\text{CH}_3\text{NH}_3\text{PbI}_3$ micro/nanowire by constructing a two-terminal device with asymmetric Ag and C electrodes, and its hysteresis can be clearly identified as a synergistic effect of the redox reaction at.

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In this work, a hysteresis model is derived to capture sophisticated hysteresis of transmittance as observed in VO2. After phenomenological considerations, a model with four ...



We have temperature-dependent hysteresis in our focal position. The fact that this phenomenon is consistent across all lenses suggests that it is inherent to the design of the lens ...



By manipulating the optoelectronic effect of this device, we introduce a hysteresis effect at the silicon-silicon oxide interface, which in turn demonstrates multi-level, non-volatile optical data ...

8-Port PLC Fiber Splitter Box
12-Port SC Fiber Splitter Box
Size: 220*170*60mm
Material: ABS, PPL



This work clarifies the relation between optical hysteresis and classical optical bistability, which provides theoretical references for the modulation of optical hysteresis in experiment.



We study, in this paper, the hysteresis dependence and the number of pulses in steady state as a function of both the small signal gain and the nonlinear coefficient of microstructured fiber.



We experimentally demonstrate the distribution of a bistable optical signal to two locations, and then independently and simultaneously control the hysteresis shape at each location using local sets of ...



This study clearly reveals that the hysteresis actually originates from the electrode interface effect, and thus nonvolatile multilevel memory and adjustable logic operation can be well implemented by a ...



In this work we present a connection between dynamical systems and hysteresis loops and after that, we present some interesting hysteresis loops obtained using the Transverse Magneto-Optical Kerr ...



The impending collapse of Moore-like growth of computational power has spurred the development of alternative computing architectures, such as optical or electro-optical computing.



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