

Monitoring polarization dynamics in multimode fibers is critical for a range of applications, spanning from optical communication to sensing.

Here, we introduce an alternative "far-field" endoscope capable of imaging macroscopic objects across a large depth of field. The endoscope shaft with dimensions of 0.2×0.4 mm² consists of two parallel ...

A multimode fiber stands out as a desirable platform for imaging. Here, we propose and experimentally demonstrate a non-interferometric non-iterative approach for high-speed high ...

In this paper, we propose a real-time imaging system using flexible MMFs, but which is robust to bending. Our approach does not require access or feedback signal from the distal end of the...

This work sets the scene for the introduction of semi-rigid minimally invasive multimode fiber probes as a perspective alternative to the rigid endoscopes routinely used in clinical diagnostics ...

In this section, we first focus on the spatial eigenmodes of two types of MMFs: the step-index multimode fiber (SIMF) and the GIMF. We discuss their key properties related to the MMS, setting the stage for ...

To observe is to mark or be attentive to something seen, heard, etc.; to consider carefully; to watch steadily: to observe the behavior of birds, a person's pronunciation.

The meaning of OBSERVE is to conform one's action or practice to (something, such as a law, rite, or condition) : comply with. How to use observe in a sentence. Synonym Discussion of Observe.

Present participle of observe. Observation. She suspected he was observing what happened. I have been observing Helen's little cousin lately. He leaned back in his chair, observing Alex over the rim. I ...

This paper introduces a sampling method and reconstruction algorithm based on a compressed multimode fiber imaging system, which realizes the imaging with high robustness.

If you observe something such as a law or custom, you obey it or follow it. Imposing speed restrictions is easy, but forcing motorists to observe them is trickier. [VERB noun] The army was observing a ...

1. To take notice: stood by the window observing. 2. To say something; make a comment or remark: observed upon the unusual weather. 3. To watch or be present without participating actively: We ...

The word "observing" originated from the Latin word "observare", which means "to watch". Over time, it has

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evolved to encompass the act of noticing or perceiving something with attention to detail.

Definition of observe verb from the Oxford Advanced Learner's Dictionary. (formal) to see or notice somebody/something. observe somebody/something Have you observed any changes lately? ...

OBSERVING meaning: 1. present participle of observe 2. to watch carefully the way something happens or the way someone.... Learn more.

Observing definition: The act of watching or monitoring something closely. - See meaning, pronunciation, etymology, examples, and related words.

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