Virtual Simulation Experiment for Fiber Optic Sensor Fabrication

This paper presents a set of interactive simulations and virtual experiments and discusses their applications for Fiber Optics, Photonics, and Telecom education courses, for onsite, ...

OpticaLab aims to build an open source computer simulation platform for fiber optical communication system. Simulation wiil support high-speed, long distance, single-mode fiber transmission.

After installing the runtime engine start performing the experiment. 2) Select run button from tool bar to start real time experiment. 3) Click the select switch for desired waveform that should be displayed ...

This package incorporates simulation modules for study of optical fiber based on wave theory and various FO sensors based on ray optics and analytical geometry.

Learn about streamlining workflows, enhancing precision, and solving complex challenges with advanced simulation tools.

Analyze step-index and graded-index fibers with an app to perform mode analyses on the dielectric layer structures. Get the Optical Fiber Simulator now.

This lab offers an immersive, web-based simulator that enables you to explore and experiment with key concepts in optical communication, such as signal transmission, fiber optics, modulation, and ...

The developed module features a virtual laboratory populated with realistic models of optical devices in which students can set up and perform an optical experiment dealing with laser ...

Components such as nanostructures, metalenses, gratings, mirrors, and lenses, along with their simulation models, are fully integrated into one user-friendly interface. Thanks to its non-sequential ...

Remote access to simulation based Labs in various disciplines of Science and Engineering.

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Web: https://www.csc-energia.com.pl