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Data is a collection of facts, such as numbers, words, measurements, observations or just descriptions of things. ... Data can be qualitative or quantitative.

In this work, we present a novel PSR based on a bent and tapered ADC, making it compact and insensitive to fabrication errors. The performance of the PSR is broadband because ...

For specified wavelength, the TE and TM mode can be split into different cores by introducing asymmetry from the PDMS substrate to produce a birefringent tapered MCF.

The proposed structure consists of a triple-tapered DC, a tapered waveguide at cross port, and a triple-bent DC at through port, which gives a high degree of freedom for optimization.

The SPIE Digital Library offers a wide range of resources on beam splitters, focusing on their design, applications, and performance across various optical systems.

The design and numerically investigation of a silicon polarization splitter (PS) is proposed using triple-tapered directional couplers (DCs).The proposed device consists of a triple-tapered DC, a triple-bent ...

The proposed structure consists of a triple-tapered DC, a tapered waveguide at cross port, and a triple-bent DC at through port, which gives a high ...

We demonstrate compact ultra-broadband polarization beam splitters (PBS) that can be combined with polarization rotators (PR) and mode-field adapters into a monolithic 3D-printed structure, fabricated ...

Discover what data is, its types, and its importance in today's digital world. Learn how structured, unstructured, and big data drive decision-making, AI, and business growth.

Beam splitters usually play a vital role in laser-based optical systems, so predictable and accurate performance is an absolute must. In both standard and custom models, Keysight beam split ...

Explore what data is--its definition, types, and role in decision-making, innovation, and technology. Learn why data is crucial in today's digital world.

The meaning of DATA is factual information (such as measurements or statistics) used as a basis for

reasoning, discussion, or calculation. How to use data in a sentence.

The broadband polarization beam splitter/combiner comprises a tapered waveguide directional coupler, a beam combination end (1), a curved waveguide (5), a transverse electric (TE) mode end...

In data science and computing, data is categorised into different types based on its structure and nature. Understanding its type helps in selecting appropriate analysis and processing ...

A terahertz polarization beam splitter (PBS) with asymmetric silicon waveguides of varying heights was designed on a silicon-BCB-quartz substrate. The 3D finite-difference time-domain ...

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