Partial Optical Devices

We generalize an approach for description of multiphoton experiments with multiport unitary linear optical devices, started in Phys. Rev. A 89, 022333 (2014) with single photons in mixed ...

To evaluate the repeatability and agreement of corneal and biometry measurements obtained with two swept-source optical coherence tomography (SSOCT) and a partial coherence interferometry-based ...

Purpose To study the reproducibility of measurements performed with a recently developed multimodal high resolution swept source optical coherence ...

University, 348 Via Pueblo, Stanford, CA 94305 Optical phenomena always display some degree of partial coherence between their respective degrees of free-dom. Partial coherence is of particular ...

Any excess light is either transmit through a second port (two-port version, higher power handling) or dispersed internally (single-port version, lower cost). These devices operate single-mode from 450 ...

Purpose To study the reproducibility of measurements performed with a recently developed multimodal high resolution swept source optical coherence tomography (SSOCT) and to ...

In some circumstances, by way of example, a previously implanted lens is difficult to remove. It would be helpful to be able to provide an optical device in the form of an add-on (e.g., supplemental lens/optic) ...

Our study introduces a photonic convolutional processing system that takes advantage of partially coherent light to boost computing parallelism without substantially sacrificing accuracy,...

A61F2/1613 -- Intraocular lenses having special lens configurations, e.g. multipart lenses; having particular optical properties, e.g. pseudo-accommodative lenses, lenses having aberration...

Here, we present a universal method to analyze, process, and generate spatially partially coherent light in multimode systems by using self-configuring optical networks.

More particularly still, sighting devices of the present disclosure may include a partial or incomplete optical element and be used to sight any number of different objects or in a diverse...

We propose a novel scheme with a "time-lens"-based partial optical Fourier transform (OFT) and coherent sampling for high-speed complex orthogonal frequency-division multi-plexing (OFDM) ...

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