Reflective Spatial Light Modulator Optical Path

Reflective phase SLMs create a path length difference mostly in two ways. Either by displacing the reflecting surface or by locally changing the refractive index in order to generate a path-length ...

Spatial light modulators (SLMs) are two-dimensional objects, enabling to modulate, at any point of the SLM surface, through a local change of the optical path, the in-tensity, phase or polarization of an ...

Corrected pattern The wavefront, reflected by a PLUTO C-49 sample, measured with Hartmann-Shack Sensor, where 2x2 lens array is addressed onto SLM

A meta-conveyor technique programs light flows with multichannel metasurfaces, enabling stable nanoparticle transport along arbitrary open-path round-trip movement and on-demand ...

HOLOEYE´s Spatial Light Modulator systems are based on translucent (LCD) or reflective (LCOS) liquid crystal microdisplays. The use of LC materials in SLMs is based on their optical and electrical ...

LCOS-SLM are reflective spatial light phase modulators that freely modulates optical phases and optical phase of laser is modulated by the liquid crystal. Wavefront control of the light can be applied to ...

What are Spatial Light Modulators? Spatial light modulators (SLMs) are a type of transmissive or reflective device that is used to modulate amplitude, phase, or polarization of an optical wavefront in ...

The modulation mechanism is what obtains information from the input signal and modifies the readout optical wavefront accordingly. There are various ways in which this modulation material can be ...

Here we introduce a new class of spatial light modula-tor that provides both 2D pixel geometry and high speed. The device operates by encoding spatial information in frequency bins via a broadband ...

The compact optical head is designed so that two units can be placed back-to-back, minimizing the path distance between modulators. Electrical connections exit one side of the optical head for ...

Our Spatial Light Modulators consist of liquid crystal pixels, each independently addressed, acting as separate variable retarders. These Spatial Light Modulators are easily incorporated into optical ...

The image on an optically addressed spatial light modulator, also known as a light valve, is created and changed by shining light encoded with an image on its front or back surface.

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