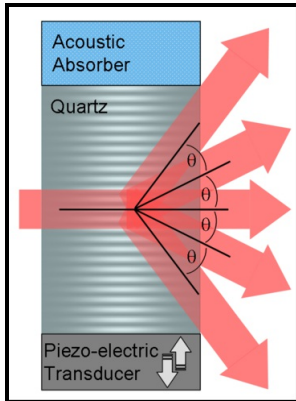


Study of acoustooptic interactions and their applicability to tunable optical filters.

- - Spectroscopic imaging using acousto



Description: -

-study of acoustooptic interactions and their applicability to tunable optical filters.

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Hyperspectral Imager with Folded Metasurface Optics

For some combinations of these device angles, if the incident light is polarized, only one polarization component satisfies the noncritical phase matching condition, and the other exhibits a variation in tuning relationship with incident beam angle.

Information metrology of acousto

Light intensities were detected by thermoelectrically cooled GaInAs detectors and the signals were amplified and passed to a microcomputer. In practice, however, the finite interaction length results in a broadening of the filter passband, which defines the spectral resolution of the device. The scan precision in the state of the art does not reach values below 50 fs.

Bioimaging system using acousto

The duration of this time zone is $T_p - T_a$ and the minimum repetition time is T_p in order to avoid the presence of two simultaneous signals in the interaction zone. At the high drive power levels, the acoustic attenuation may cause significant optical distortion. Typically, fluorescent species that are inactivated by being bound to a photosensitive species referred to as being caged are activated by intense illumination that frees them from the caging compound and allows them to be tracked by the sudden appearance of fluorescence.

Bioimaging system using acousto

The LMS includes a two-dimensional 2-D scanning mechanism, image-forming lens, collimating lens, AOTF, convergent lens, the detector components, motor drive, RF drive, and a main control circuit, as shown in.

Confocal Microscopy

U-shaped meta-atoms, whose response under illumination from different angles can be controlled independently.

FAD: Pauthors

For higher order spatial derivative operations, two AOMs are cascaded in parallel, as shown in Fig. In this paper, we describe a bioimaging system designed for biomedical applications and show laser-induced fluorescence LIF images mammalian brain tissue. The two schemes above have the drawback of losing 50% of the energy with ideal components.

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