

It was initially developed for physical measurements including optical rotary dispersion and Faraday rotation, polarimetry of astronomical objects, strain-induced birefringence, and ellipsometry. Later ...

In a single PEM ellipsometer as illustrated in Figure 1, it is possible to obtain the parameter S and either N or C . If the polarizer in the PSD is replaced with a Wollaston prism polarizer and both channels are ...

In this study, a differential frequency photoelastic modulation ellipsometry was proposed. Two PEMs operating at distinct frequencies were cascaded, and multi-harmonic terms of the ...

Photoelastic modulator (PEM)-based ellipsometry employed either lock-in amplifiers or the Fourier analysis technique to obtain the ellipsometric parameters almost in real-time that makes the system ...

Abstract Photoelastic modulator (PEM)-based ellipsometry employed either lock-in amplifiers or the Fourier analysis technique to obtain the ...

JY's spectroscopic ellipsometer is based on the use of a PEM modulator, which allows fast and accurate measurements. The optical system combines with a powerful numerical data acquisition system, that ...

A phase-modulated ellipsometer enables non-contact, high-precision determination of thin-film optical parameters and thickness through polarized light modulation analysis.

The UVISEL range of HORIBA Jobin Yvon spectroscopic ellipsometers use photoelastic modulators to perform polarization modulation at a high frequency (50 kHz) without any mechanical movement.

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