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# Photomodulated Optical Reflectance A Fundamental Study Aimed At Non Destructive Carrier Profiling In

**a generalized calculation of the temperature and drude ...** - when the photo-modulated optical reflectance technique is employed. for instance, the effect of an inhomogeneous perturbation in the complex refractive index has been carefully examined. **second harmonic modulated photo-reflectance imaging of ...** - journal de physique iv colloque c7, supplcment au journal de physique iii, volume 4, juillet 1994 **second harmonic modulated photo-reflectance imaging of integrated linear electro-optic reflectance modulated spectra of gaas ...** - reflectance techniques for the determination of doping levels in zincblende semiconductors.[1,2] optical techniques result very attractive for this application as they **nano express open access optical identification of ...** - photoluminescence, photo-modulated reflectance, and rapid thermal annealing (rta) treatments. it is shown that it is shown that the carrier transfer via wetting layer (wl) is impeded according to the results of temperature dependent peak **imaging local sources of intermodulation in ...** - the highly localized photo-induced change of the kinetic inductance of the sc device produces both a shift of the ... room temperature modulated optical reflectance measures the local carrier density, and can be used to find defects that affect the superconducting microwave performance. [14] a previous attempt to measure the local origins of nonlinearity was made by hu, et al. [15] they used a ... **frequency-modulated impulse response photothermal ...** - frequency-modulated impulse response photothermal detection through optical reflectance. 1: theory andreas mandelis and joan f. power the 3-d theory of impulse response photothermal detection in opaque (i.e., photothermally saturated) solids **characterization of 2.3µm gainassb-based vertical-cavity ...** - we report angle dependent and temperature dependent (9k-300k) photo-modulated reflectance (pr) studies on vertical-cavity surface-emitting laser (vcSEL) structures, designed for 2.3µm mid-infrared gas sensing applications. **temperature-dependent modulated reflectance and ...** - modulated reflectance and photo-luminescence (pl) spectroscopy is used to probe the qd- and qw-related interband optical transitions over the temperature range of 3-300 k. **diffuse optical imaging using spatially and temporally ...** - diffuse optical imaging using spatially and temporally modulated light thomas d. o'sullivan, aalbert e. cerussi, david j. cuccia,b and bruce j. tromberga **nondestructive extraction of junction depths of active ...** - nondestructive extraction of junction depths of active doping profiles from photomodulated optical reflectance offset curves janusz bogdanowicz! **photomodulated reflectance spectroscopy of gaasbi/gaas ...** - batool, zahida (university of surrey) photomodulated reflectance spectroscopy of gaasbi/gaas layers grown by mbe zahida batool, jeff hosea and stephen j. sweeney **modeling an improved method for double modulation photo ...** - modeling an improved method for double modulation photo reflectance experiments, m. hernández & r. ivanov, 68-75 70 vol. 2 no. 1 april 2004 **for the western district of texas austin division xitronix ...** - photo-modulated reflectance measurement system,2 to the semiconductor optical inspection market. the therma-probe was used primarily for control of the dopant implant process in **applications request form - xitronixcorp** - title: applications request formcx author: xitronix corporation keywords: metrology optical photo-modulated reflectance created date: 1/8/2011 9:21:57 am **metrology at imec : a centre of excellence enabling ...** - electrothermaltheory of photomodulated optical reflectance on active doping profiles in silicon, accepted for publication in journal of applied physics (2010),

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