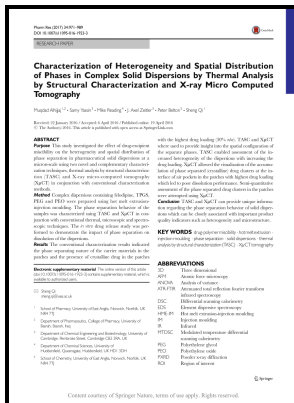


Infrared probing of thermal and spatial properties of laser generated carrier distributions in germanium.

- - Chinese Physics B, Volume 30, Number 3, March 2021, March 2021



Description: -

Physics ThesesInfrared probing of thermal and spatial properties of laser generated carrier distributions in germanium.
-Infrared probing of thermal and spatial properties of laser generated carrier distributions in germanium.
Notes: Thesis (Ph.D.), Dept. of Physics, University of Toronto
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Plasmonic mid

Another is the temperature rise at the surface leading to current redistribution and nonradiative recombination. According to the sign of V_{ox} and thus the value of V_{CG} , the role of the cathode can be either played by the floating gate V_{ox} or 0.

Thermoreflectance spectroscopy—Analysis of thermal processes in semiconductor lasers

Such systems should ideally be tested with the help of particle accelerators, but this solution remains both costly and impractical. The main findings of this study are still valid for recent DLs: COD is jump-started by a fast-thermal runaway.

Ultrafast carrier dynamics in Ge by ultra

The implemented azimuthal fan segments, see $\Phi_{x,y}$ in, disturb the constructive on-axis interference of the fundamental Bessel-like beam resulting in an elliptical on-axis intensity maximum. By introducing an optic-null medium into the finite embedded transformation, a reflectionless spatial beam bender is designed, which can steer the output beam by a fixed pre-designed angle β for an arbitrary incident angle.

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There are two in situ calibrations that have to be considered.

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