

Broad-band compact range for radio frequency electromagnetic susceptibility and emission measurements - studies of the electromagnetic field distributions in a broad-band compact range, using extensions to the Plane-Wave Spectrum method....

- - Proposing a low



Description: -

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Thesesbroad-band compact range for radio frequency electromagnetic susceptibility and emission measurements - studies of the electromagnetic field distributions in a broad-band compact range, using extensions to the Plane-Wave Spectrum method....

Notes: Ph. D. thesis. Typescript.

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DoD 2014.1 SBIR Solicitation

So the growth direction and spacing thickness can be regarded as another control parameters for strain engineering self-organized semiconductor quantum materials. This irreversible superheating is known as calefaction.

Surface Electromagnetics: With Applications in Antenna, Microwave, and Optical Engineering [Hardcover ed.] 1108470262, 9781108470261

Weng File Type: Journal Paper Issue: Volume: 27 Number: 5 Year: 2012 Download Link: File Size: 1271 KB Title: ON THE USE OF PLANAR SCATTERING PROBLEM TECHNIQUES TO ANALYZE THIN PLANAR QUASI-MAGNETO-STATIC SHIELDING Abstract: A metallic screen scattering technique developed for microwave and millimetre wave applications is adapted, using the principle of duality to a quasi-magnetostatic shielding problem. Conformal emitters reduce drag and, at times, detectability of the air platform; in some designs, weight, changes to platform skin and structure is lessened, but, generally, conformal emitters are more expensive to install due to the need for underside antenna structures. These models are then supported by quantum-optical simulations that fully capture the frequency filtering of emission from our solid-state system.

Optoelectronic Materials and Devices II

Here, we have grown high quality positively charged quantum dots embedded in a planar microcavity that enable enhanced light-matter

interactions.

NASA SBIR/STTR 2010 Program Solicitation Details

Investigation of the model reveals that the bandwidth of the resulting Fano-like resonance may be controlled with the ratio of the L and C values. Why is there a metal grid on the door? Comparing the experimentally observed peak positions with peak positions obtained from plane wave modelling and 3D finite difference time domain FDTD modelling shows modulation of the nanorod luminescence by cavity modes. These structures with subwavelength inclusions which can be homogenized resonate due to the capacitive coupling between adjacent elements so-called distributed resonance.

NASA SBIR/STTR 2006 Program Solicitation Details

In this case, the wave propagation inside the ferromagnetic material becomes reversible in time.

Metamaterials conference 2018

Both the recording and the selective erasure are carried out using self-stabilized holographic recording techniques. Using a scanning single-electron transistor, we have measured the local electronic compressibility of suspended graphene in the quantum Hall regime.

Charge Transfer Plasmons: Optical Frequency Conductances and Tunable Infrared Resonances

We concluded the chapter with a presentation of various other applications of the GSTCs. NASA is concerned with creating new and innovative methods for airborne detection, identification and resolution of tactical hazards to aviation.

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Form the calculated results, we found that the coupling effects is obviously when the separation distance is in the range of the less than 10nm. To verify these theoretical results, this resonator was analyzed with the commercial finite-element FEM software code HFSS from Ansoft Corporation mentioning this product does not imply an endorsement, but serves to clarify the numerical program used.

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