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INFLUENCE OF ELECTRON IRRADIATION ON SPECTRA OF LIGHT ELECTRO-REFLECTION FROM THE SURFACE OF Ge/Ge_{1-x}Si_x HETEROSTRUCTURE

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02 - Registration № 819 - Manuscript received: 30.01.09. Revised manuscript received: 11.06.09.

INFLUENCE γ -IRRADIATION ON CURRENT VOLTAGE CHARACTERISTICS ON TIGaSe₂ SINGLE CRYSTAL

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03 - Registration № 828 - Manuscript received: 27.02.09.

Two-dimensional Modelling of Static Parameters for the field Effect Transistor

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04 - Registration № 830 - Manuscript received: 04.03.09. Revised manuscript received:

MILLIMETER AND SUB-MILLIMETER WAVE RESPONSE OF TWO- DIMENSIONAL HOT ELECTRONS IN DOUBLE DELTA DOPED PbTe QUANTUM WELL

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05 - Registration № 832 - Manuscript received: 13.03.09.

Laser heterodyne facility for non-destructive control of devices based on surface acoustic waves within the range 10-100 MHz

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06 - Registration № 833 - Manuscript received: 13.03.09.

Desk-size heterodyne laser probe to non-destructive control the facilities based on surface acoustic waves

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07 - Registration № 834 - Manuscript received: 13.03.09.

Two-wave surface acoustic waves probe

V.V. Semenov, V.G. Gryts', *Institute of Physics of the NAS of Ukraine; 46, prospect Nauky, Kyiv 03028, Ukraine*

08 - Registration № 839 - Manuscript received: 27.03.09.

Temperature dependences of optical and piezoelectric characteristics of ZnMgSe single crystals

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09 - Registration № 847 - Manuscript received: 08.04.09.

The microduty bipolar phototransistor on the base of gallium arsenic n-p-m-structure

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+ + 10 - Registration № 849 - Manuscript received: 14.04.09.

The Rahman-Nat diffraction on a thin laser-induced grating of the refraction index in semiconductors

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+ 141 - Registration № 851 - Manuscript received: 28.04.09.

Statistical and Fractal Approaches in Laser Polarimetry Diagnostics of the Cancer Prostate Tissues and Polarization singularities of biological objects speckle-fields

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12 - Registration № 853 - Manuscript received: 05.05.09.

Approaching to an optimal value of rise time in n+/p photodiode by controlling depletion layer width

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CONCERNING THE METHODOLOGY OF MEASUREMENTS OF PARAMETERS WITH THE INCREASING SENSIBILITY TO RESIDUAL OR IRRADIATION INDUCED INHOMOGENEOUS IN SEMICONDUCTORS

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14 - Registration № 856 - Manuscript received: 13.05.09.

An approach of the electron mobility model based on Genetic algorithm computation to study the 4H-SiC MESFETs

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FINE STRUCTURE OF NQR SPECTRA IN GaSe

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ДОСЛІДЖЕННЯ СИНГУЛЯРНОСТЕЙ МІУЛЛЕР-МАТРИЧНИХ ЗОБРАЖЕНЬ БІОЛОГІЧНИХ КРИСТАЛІВ ДЛЯ ДІАГНОСТИКИ ЇХ ДВОПРОМЕНЕЗАЛОМЛЮЮЧОЇ СТРУКТУРИ

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ДОСЛІДЖЕННЯ СЦЕНАРІЇВ ФОРМУВАННЯ ТА ВЗАЄМОЗВ'ЯЗКУ ТОПОЛОГІЧНОЇ СТРУКТУРИ ПОЛЯРИЗАЦІЙНИХ І МІУЛЛЕР-МАТРИЧНИХ ЗОБРАЖЕНЬ СІТОК БІОЛОГІЧНИХ КРИСТАЛІВ

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ПРО ВЗАЄМОЗВ'ЯЗОК СИНГУЛЯРНОГО І СТАТИСТИЧНОГО ПІДХОДІВ ДО АНАЛІЗУ МІУЛЛЕР – МАТРИЧНИХ ЗОБРАЖЕНЬ У ЗАВДАННЯХ ДІАГНОСТИКИ АНІЗОТРОПНОЇ СТРУКТУРИ БІОЛОГІЧНИХ КРИСТАЛІВ

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ВЕЙВЛЕТ-АНАЛІЗ МІУЛЛЕР МАТРИЧНИХ ЗОБРАЖЕНЬ СІТОК БІОЛОГІЧНИХ КРИСТАЛІВ

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20 - Registration № 862- Manuscript received: 11.06.09.

Thin silicon solar cells with SiO_x/SiN_x Bragg mirror rear surface reflector

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Anisotropy of the optical absorption in layered MoSe₂ single crystal

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Stacking Faults in Re doped MoSe₂ Single Crystals

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Growth of a KDP (KH₂PO₄) Twin Crystal and Comparison its Characteristics with a Single Crystal

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24 - Registration № 866 - Manuscript received: 23.06.09.

Interactions between phases in the Au-Ti-Pd₂Si-n⁺-Si ohmic contacts induced by thermal annealing

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Comparison of electron transport in polar materials for the models of low -density and high -density electron gas. Application to bulk GaN.

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Stimulated Emission in Electroluminescent Impact-Excited ZnS:Cr Thin-Film Waveguide Structures

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Optical transmittance of carbon suspensions in polymer matrixes under powerful pulsed laser irradiation

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Electrical properties of semiconductor structures with Si nanoclusters in SiO₂ growth by high temperature annealing technology of SiO_x layer X<2.

Bunak S.V., Buyanin A.A., Ilchenko V.V., Marin V.V., Melnik V.P.* , Tretyak O.V., Khazevich I.M.* , Shkavro A.G. *Faculty of radiophysics, Kyiv National Taras Shevchenko University, 64 Volodymyrskaya Street, Kyiv, 01601, Kyiv, Ukraine*

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Local Plasmons Contribution into Photocurrent of Au/GaAs Surface Barrier Structure with Au Nanoparticles on Interface

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Electron-electron drag in crystals with multivalley band. Magnetoresistivity and Hall-effect

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X-ray diffraction study of deformation state of multilayered structures (superlattices) InGaN/GaN

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Synthesis and luminescent properties of SrTiO₃:Pr³⁺ phosphors prepared by sol-gel method

O.M. Marchylo, L.V.Zavjalova, Y. Nakanishi, H. Kominami, K. Hara, A.E. Belyaev, G.S. Svechnikov, L.I. Fedorenko, V.I. Poludin

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Photothermal analysis of heterogeneous semiconductor structures under a pulse laser irradiation

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INFLUENCE OF POLARIZATION OF LATTICE OF SEMICONDUCTOR ON ITS VIBRATING OPTICAL SPECTRUM

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Effect of Rhenium Doping on Various Physical Properties of Single Crystals of MoSe₂

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Electrical Properties Measurements of Re doped MoSe₂ Single Crystals

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Stacking Faults in the Single Crystals

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