

Publications

Article

Diffraction of light by a slit in anisotropic media with closed and open wave vector surface

H. Eritsyan, A. Lalayan, A. Margaryan, H. Arakelyan

Journal of Instrumentation 2024 C 06002

Article

Дифракция Фраунгофера на щели в однородную анизотропную среду с открытой поверхностью волновых векторов (Fraunhofer Diffraction by Slit Into a Homogeneous Anisotropic Medium with an Open Surface of Wave Vectors)

Лалаян А. А., Ерицян О. С.

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 108-112 (77-80)

Article

Fraunhofer diffraction by a slit between a vacuum and a non-magnetic medium with the magneto-optical Faraday effect

A.A. Lalayan, H.S. Yeritsyan, A.L. Margaryan, H.M. Arakelyan

Journal of Physics: Conference Series 2023 012013

Article

Fraunhofer Diffraction by a Slit into a Homogeneous Anisotropic Medium

A. A. Lalayan, H. S. Eritsyan, A. L. Margaryan, A. G. Mkrtchyan, Zh. B. Khachatryan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 49 - 53

Article

ДИФРАКЦИЯ ФРАУНГОФЕРА НА ЩЕЛИ В ОДНОРОДНУЮ АНИЗОТРОПНУЮ СРЕДУ

А.А. ЛАЛАЯН, О.С. ЕРИЦЯН, А.Л. МАРГАРЯН, А.Г. МКРТЧЯН, Ж.Б. ХАЧАТРЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 70-75

Article

Polarization and Diffraction Peculiarities of Optical Media Possessing Simultaneously the Properties of Right and Left Substances

A. A. Lalayan, A. R. Mkrtchyan, H. S. Eritsyan, Sh. K. Eritsyan, R. S. Hakobyan, Zh. B. Khachatryan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 199-204

Article

Diffraction on an aperture located between media with different refractive indices

A.A.Lalayan, A. R. Mkrtchyan, H. S. Eritsyan, A.L. Margaryan

Armenian Journal of Physics 2020 185-192

Article

ДИФРАКЦИЯ ЭЛЕКТРОМАГНИТНОЙ ВОЛНЫ ОТ КРУГЛОГО ОТВЕРСТИЯ, РАСПОЛОЖЕННОГО

**МЕЖДУ ВАКУУМОМ И ВЕЩЕСТВОМ С ОТЛИЧНЫМ ОТ ЕДИНИЦЫ КОЭФФИЦИЕНТОМ
ПРЕЛОМЛЕНИЯ**

А.А. ЛАЛАЯН, А.Р. МКРТЧЯН, О.С. ЕРИЦЯН, А.Л. МАРГАРЯН, Ш.К. ЕРИЦЯН, Ж.Б. ХАЧАТРЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2020
487-491

Article

Millimeter-Wave Radiation of the Water and Biomedicine

A. Lalayan, Y. Aghbalyan

Armenian Journal of Physics 2019 28-32

Article

**ДИФРАКЦИОННАЯ НЕВЗАИМНОСТЬ В ДИФРАКЦИИ ЭЛЕКТРОМАГНИТНОЙ ВОЛНЫ НА
ЩЕЛИ**

А.А. Лалаян, О.С. Ерицян, Ш.К. Ерицян, О.М. Аракелян

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2018
50-55

Article

Laser synthesis of hybrid nanoparticles for biomedicine

A.A. Lalayan, H.K. Avetissian

Proceedings of SPIE-Progress in Biomedical Optics and Imaging 2018 10582(1-4)

Article

**Formation of hybrid Si-Ni nanoparticles by laser ablation and luminescence properties of
such nanosystem**

A. A. Lalayan, S. S. Israelyan, H. A. Movsesyan

Journal of Nanophotonics 2016 012523-6

<https://spie.org/publications/journals/journal-of-nanophotonics>

Article

Metal nanoparticles and IR laser applications in medicine for biotissue ablation and welding

A. A. Lalayan, S. S. Israelyan

Laser Physics 2016 055605 (1-5)

<http://iopscience.iop.org/journal/1555-6611>

Article

**Second Harmonic Diagnostics for Real-Time Monitoring of Biological Macromolecules
Structural Changes**

A.A.Lalayan

Armenian Journal of Physics 2016 183-187

<http://ajp.asj-oa.am/>

Conference

Millimeter-wave radiation of the water and biomedicine

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