hasmikm@ysu.am

Կոնդենսացված վիճակի ֆիզիկայի կենտրոն
Պինդ մարմնի ֆիզիկայի լաբորատորիա
Senior Researcher

Research Institute of Physics
Կոնդենսացված վիճակի ֆիզիկայի կենտրոն
Պինդ մարմնի ֆիզիկայի լաբորատորիա
Senior Researcher

Publications

Conference
X-ray Diffraction Image of a Low-Angle Twist Boundary
L.V. Levonyan, H.M. Manukyan
2025 71 - 71
https://school.iapp.am/

Conference
Two–dimensional Focusing of an X–ray Beam
L.V. Levonyan, H.M.Manukyan
2025 69 - 69
https://iappconfschool.am/

Article
Study of phase objects by dynamical diffraction of a spherical X-ray wave in a crystal using a temperature gradient
L. Levonyan, H. Manukyan
Journal of Instrumentation 2024 C02058

Article
X-Ray Diffraction by Superlattice with Overlapping Stacking Faults [Дифракция рентгеновских лучей на сверхрешетке с перекрывающимися дефектами упаковки]
H. M. Manukyan
Proceedings of NAS RA Physics 2024 219 - 222

Article
Features of Spherical X-Ray Wave Diffraction by a Low Angle Twist Boundary Perpendicular to the Crystal Surface [Особенности дифракции сферической рентгеновской волны на малоугловой границе кручения, перпендикулярной поверхности кристалла]
L. V. Levonyan, H. M. Manukyan
Proceedings of NAS RA Physics 2024 214–218

Article
X-Ray Phase Contrast in a Superlattice in the Presence of a Temperature Gradient [Рентгеновский фазовый контраст в сверхрешетке при наличии температурного градиента]
L. V. Levonyan, H. M. Manukyan
Proceedings of NAS RA Physics 2024 337–341

Article

Determination of the superlattice structure factor by X-ray diffraction using a temperature gradient

Levon Levonyan, Hasmik Manukyan

Acta Crystallographica Section A Foundations and Advances 2023 14-19

Conference

Study of Phase Objects by Dynamical Diffraction of a Spherical X–ray Wave in a Crystal using a Temperature Gradient

L.V.Levonyan, H.M.Manukyan

2023 94 - 94

https://conference.iapp.am/

Article

Study of Two-Dimensional Phase Objects by Diffraction Focusing of Cylindrical X-Ray Wave on a Superlattice With Variable Period

L.V. Levonyan, H.M. Manukyan

Armenian Journal of Physics 2020 278-283

Article

Influence of Interdiffusion of Heteromaterials on the Diffraction Focusing of Spherical X-Ray Wave in a Superlattice

L.V. Levonyan, H.M. Manukyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2019 203–209

Conference

Peculiarity of X-ray Phase Contrast at Diffraction Focusing of a Spherical Wave in a Superlattice

L.V. Levonyan, H.M. Manukyan

2019 73-74

http://anam2019.org/

Conference

Study of two-dimensional phase objects by diffraction focusing of cylindrical X-ray wave on a superlattice with variable period

L.V.Levonyan, H.M.Manukyan

2019 48

https://conference.iapp.am/

Conference

Study of two-dimensional phase objects by diffraction focusing of cylindrical X-ray wave on a superlattice with variable period

L.V.Levonyan, H.M.Manukyan

2019 58-63

http://conference.iapp.am/?module=article&utility=show_article&id_article=29

Article

Рентгеновский фазовый контраст при дифракционной фокусировке сферической волны в сверхрешетке с малым периодом

Л.В. Левонян, А.М. Манукян

Proceedings of NAS RA Physics 2018 120-124

Article

X-ray Phase Contrast at Diffraction Focusing of a Spherical Wave in a Short-Period Superlattice
L.V.Levonyan, H.M.Manukyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2018 92-94

Article

FEATURES OF DIFFRACTION FOCUSING OF A SPHERICAL X-RAY WAVE ON A SHORT PERIOD SUPERLATTICE
L.V.Levonyan, H.M.Manukyan

Proceedings of the YSU A Physical and Mathematical Sciences 2017 113-116

http://www.ysu.am/science/en/journals

Conference

Formation of the X-ray phase contrast under the diffraction focusing of the spherical wave on the short period superlattice
L.V. Levonyan, H.M.Manukyan

2017 58

http://conference.iapp.am

Conference

Формирование рентгеновского фазового контраста при дифракционной фокусировке сферической волны в сверхрешетке с малым периодом
Л.В.Левонян, А.М.Манукян

2017 196-200

http://conference.iapp.am/

Article

ДИНАМИЧЕСКАЯ ДИФРАКЦИЯ СФЕРИЧЕСКОЙ РЕНТГЕНОВСКОЙ ВОЛНЫ НА СВЕРХРЕШЕТКЕ
Л.В.ЛЕВОНЯН, А.М.МАНУКЯН

Proceedings of NAS RA Physics 2016 95-101

http://www.flib.sci.am/eng/Fizika/Frame.html

Article

TRANSMISSION OF NARROW SOUND BEAMS IN NONLINEAR ENVIRONMENT
S.M.MANUKYAN, A.A.BUTAVYAN, H.M.MANUKYAN

Proceedings of the YSU A Physical and Mathematical Sciences 2016 45-51

http://www.ysu.am/science/en/journals

Article

Dynamical Diffraction of Spherical X-ray Wave on a Superlattice
L. V. Levonyan, H. M. Manukyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2016 73-78

http://www.springer.com/physics/particle+and+nuclear+physics/journal/11958

Article

Integrated Intensity of X-ray Reflection from a Superlattice with a Stacking Fault
H.M.Manukyan, S.M.Manukyan

Proceedings of the International Conference on Electron, Positron, Neutron and X –Ray Scattering under External Influences
2016 224-229

https://istina.msu.ru/collections/24207893/

Article

Study of Superlattices by Diffraction Focusing of X-ray Radiation

L.V.Levonyan, H.M.Manukyan

Proceedings of the International Conference on Electron, Positron, Neutron and X –Ray Scattering under External Influences
2016 101-106

https://istina.msu.ru/collections/24207893/

Article

Influence of absorption on the X-ray diffraction by the trapeziform model of superlattice with a stacking fault

H.M.Manukyan, S.M.Manukyan

Journal of Physics Conference Series 2016 1-6

http://iopscience.iop.org/journal/1742-6596

Article

ABSORPTION AT X-RAY DIFFRACTION BY THE ONE-DIMENSIONAL SUPERLATTICE WITH A STACKING FAULT

H. M. MANUKYAN, S. M. MANUKYAN

Proceedings of the YSU A Physical and Mathematical Sciences 2015 55-58

http://www.ysu.am/science/en/journals

Conference

INFLUENCE OF ABSORPTION ON THE X-RAY DIFFRACTION BY THE TRAPEZIFORM MODEL OF SUPERLATTICE WITH A STACKING FAULT

Hasmik Manukyan, Susanna Manukyan

2015 45

http://rreps.tpu.ru

Conference

Study of superlattices by diffraction focusing of x-ray radiation

L.V.Levonyan, H.M.Manukyan

2015 33

http://conference.iapp.am

Conference

Integrated intensity of x-ray reflection from a superlattice with a stacking fault

H.M.Manukyan, S.M.Manukyan

2015 67

http://conference.iapp.am

Conference

Influence of Interdiffusion of Heteromaterials on the X-Ray Spherical Wave Diffraction by Superlattice

L.V. Levonyan, H.M.Manukyan

2015 77-78

Article

ВЛИЯНИЕ ВЗАИМНОЙ ДИФФУЗИИ ГЕТЕРОМАТЕРИАЛОВ НА ДИФРАКЦИЮ РЕНТГЕНОВСКИХ ЛУЧЕЙ НА СВЕРХРЕШЕТКЕ С ДЕФЕКТОМ УПАКОВКИ

А.М.МАНУКЯН

Proceedings of NAS RA Physics 2014 360-365

http://www.flib.sci.am/eng/Fizika/Frame.html