

Publications

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

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

Levon Levonyan, Hasmik Manukyan

Acta Crystallographica A-Foundation and Advances 2023 14-19

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

Article

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

Л.В. Левонян, А.М. Манукян

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 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. Physical and Mathematical Sciences 2017 113-116

Article

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

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 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. Physical and Mathematical Sciences 2016 45-51

<http://www.y-su.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
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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. Physical and Mathematical Sciences 2015 55-58

<http://www.y-su.am/science/en/journals>

Article

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

А.М.МАНУКЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2014

360-365

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Conference

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

Hasmik Manukyan, Susanna Manukyan

Conference

Study of superlattices by diffraction focusing of x-ray radiation

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

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

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Conference

Formation of the X-ray phase contrast under the diffraction focusing of the spherical wave on the short period superlattice

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Формирование рентгеновского фазового контраста при дифракционной фокусировке сферической волны в сверхрешетке с малым периодом

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