

Ֆիզիկայի գիտահետազոտական ինստիտուտ

Պիկո մարմնի ֆիզիկայի լաբորատորիա

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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

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X-Ray Diffraction by Superlattice with Overlapping Stacking Faults [Дифракция рентгеновских лучей на сверхрешетке с перекрывающимися дефектами упаковки]

H. M. Manukyan

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2024 219 - 222

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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

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L. V. Levonyan, H. M. Manukyan

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

Levon Levonyan, Hasmik Manukyan

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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

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

L.V. Levonyan, H.M. Manukyan

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

Л.В. Левонян, А.М. Манукян

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

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FEATURES OF DIFFRACTION FOCUSING OF A SPHERICAL X-RAY WAVE ON A SHORT PERIOD SUPERLATTICE

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ДИНАМИЧЕСКАЯ ДИФРАКЦИЯ СФЕРИЧЕСКОЙ РЕНТГЕНОВСКОЙ ВОЛНЫ НА СВЕРХРЕШЕТКЕ

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Integrated Intensity of X-ray Reflection from a Superlattice with a Stacking Fault

H.M.Manukyan, S.M.Manukyan

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

H.M.Manukyan, S.M.Manukyan

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

H. M. MANUKYAN, S. M. MANUKYAN

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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

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

Hasmik Manukyan, Susanna Manukyan

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Study of superlattices by diffraction focusing of x-ray radiation

L.V.Levonyan, H.M.Manukyan

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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

L.V. Levonyan, H.M. Manukyan

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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

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

Л.В. Левонян, А.М. Манукян

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

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

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X-ray Diffraction Image of a Low-Angle Twist Boundary

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Two-dimensional Focusing of an X-ray Beam

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