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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

Article

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

H. M. Manukyan

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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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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

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2024
337-341

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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

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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

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

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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

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Article

ДИНАМИЧЕСКАЯ ДИФРАКЦИЯ СФЕРИЧЕСКОЙ РЕНТГЕНОВСКОЙ ВОЛНЫ НА СВЕРХРЕШЕТКЕ

Л.В.ЛЕВОНЯН, А.М.МАНУКЯН

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TRANSMISSION OF NARROW SOUND BEAMS IN NONLINEAR ENVIRONMENT

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Article

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

H.M.Manukyan, S.M.Manukyan

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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

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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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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

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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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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

L.V. Levonyan, H.M. Manukyan
