

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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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

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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

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

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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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TRANSMISSION OF NARROW SOUND BEAMS IN NONLINEAR ENVIRONMENT

S.M.MANUKYAN, A.A.BUTAVYAN, H.M.MANUKYAN

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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

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Study of Superlattices by Diffraction Focusing of X-ray Radiation

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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

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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

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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

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

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