

## Ֆիզիկայի գիտահետազոտական ինստիտուտ

Պիևո 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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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

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

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**Dynamical Diffraction of Spherical X-ray Wave on a Superlattice**

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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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H.M.Manukyan, S.M.Manukyan

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А.М.МАНУКЯН

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Գիտաժողովի նյութ

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Hasmik Manukyan, Susanna Manukyan

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

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