

Публикации

Статья

X-ray dynamical diffraction wavefront division interferometer (double-slit diffraction) with an asymmetric monochromator. Corrigendum

Vahram Mkrtchyan, Minas Balyan, Sargis Petrosyan, Ashot Aivazyan

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Статья

X-Ray Dynamical Diffraction Interferometer with Wave Front Division Using Two Asymmetrical Reflections [Рентгеновский динамический дифракционный интерферометр с разделением волнового фронта с использованием двух асимметричных отражений]

M. K. Balyan, V. P. Mkrtchyan, A. P. Aivazyan, S. A. Petrosyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2026 62-70

<https://link.springer.com/article/10.1134/S1068337226700301>

Статья

Double-Slit X-Ray Dynamical Diffraction in the Transmitted Beam [Рентгеновская динамическая дифракция на двух щелях в проходящем пучке]

A. P. Aivazyan, M. K. Balyan, S. A. Petrosyan, V. P. Mkrtchyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2025 101-107

Статья

Investigations of the Structure and Morphology of CsPbBr₃ Films Deposited by Vacuum Thermal Evaporation [Исследования структуры и морфологии пленок CsPbBr₃, осажденных методом вакуумного термического испарения]

L. A. Matevosyan, S. A. Petrosyan, V. P. Mkrtchyan, A. P. Aivazyan, V. S. Harutyunyan

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Статья

X-ray dynamical diffraction wavefront division interferometer (double-slit diffraction) with an asymmetric monochromator

Vahram Mkrtchyan, Minas Balyan, Sargis Petrosyan, Ashot Aivazyan

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Конференция

Double-Slit X-ray Dynamical Diffraction in the Transmitted and Diffracted Beams

A. P. Aivazyan, M. K. Balyan, S. A. Petrosyan, V. P. Mkrtchyan

2025 70 - 70

<https://school.iapp.am/hy/%D5%A3%D5%AC%D5%AD%D5%A1%D5%BE%D5%B8%D6%80/>

Статья

Measurements of the geometrical characteristics and refractive index of specimens made

with X-ray interferometers

Vahram Mkrtchyan, Ashot Aivazyan, Sargis Petrosyan, Minas Balyan

Journal of Applied Crystallography 2024 499-502

Статья

Residual stress on ettringite crystals in mature Type K shrinkage-compensating cement pastes

Valeri S. Harutyunyan, Ashot P. Aivazyan, Vahram P. Mkrtchyan, Paulo J.M. Monteiro,

Ana Paula Kirchheim, Sebastian Prinz

Construction and Building Materials 2023 132892

Статья

Residual stress on ettringite crystals in expansive cement paste

V.S.Harutyunyan, A.P.Aivazyan, V.P.Mkrtchyan

Proceedings of the YSU A Physical and Mathematical Sciences 2017 105-108

<http://www.ysu.am/science/en/journals>

Статья

Stress field of a near-surface basal screw dislocation in elastically anisotropic hexagonal crystals

Valeri S. Harutyunyan, Ashot P. Aivazyan, Andrey N. Avagyan

AIMS Materials Science 2017 1202-1219

<http://www.aimspress.com/article/10.3934/materci.2017.6.1202>

Конференция

Study of microstructural peculiarities and deformation state of ettringite crystals in Type K cement pastes by FTIR spectroscopy, optical microscopy, combined SEM-EDS, and XRD techniques

V.S. Harutyunyan, A.P. Aivazyan, V.P. Mkrtchyan, P.J.M. Monteiro, A.P. Kirchheim

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Статья

Application of Ca(OH)₂ - Comprising Dispersions in CO₂ Capture and Sequestration Technologies

Valeri S.Harutyunyan, Ashot P.Aivazyan

Recent Patents on Materials Science 2015 2-14

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Статья

X-ray Diffraction Investigations of Microstructure of calcium Hydroxide Crystallites in the Interfacial Transition Zone of Concrete

Valeri S.Harutyunyan, Vahram P.Mkrtchyan, Minas K.Balyan, Ashot P.Aivazyan, Eduard S. Abovyan,

Paulo J.M.Monteiro

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