

Կոնդենսացված վիճակի ֆիզիկայի կենտրոն  
Պիևո մարմնի ֆիզիկայի լաբորատորիա  
Ավագ ճարտարագետ

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Հոդված

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

Vahram Mkrtchyan, Minas Balyan, Sargis Petrosyan, Ashot Aivazyan

Acta Crystallographica Section A Foundations and Advances 2026 228

<https://doi.org/10.1107/s2053273326002287>

Հոդված

**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>

Հոդված

**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

Հոդված

**Investigations of the Structure and Morphology of CsPbBr<sub>3</sub> Films Deposited by Vacuum Thermal Evaporation [Исследования структуры и морфологии пленок CsPbBr<sub>3</sub>, осажденных методом вакуумного термического испарения]**

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

Journal of Contemporary Physics (Armenian Academy of Sciences) 2025 202-209

Հոդված

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

Vahram Mkrtchyan, Minas Balyan, Sargis Petrosyan, Ashot Aivazyan

Acta Crystallographica Section A Foundations and Advances 2025 438-448

Գիտաժողովի նյութ

**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/>

Հոդված

**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

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Հոդված

**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

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Հոդված

**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>

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Հոդված

**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>

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Գիտաժողովի նյութ

**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

2016 44-45

<http://www.rau.am/optics2016/geninfo.php>

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Հոդված

**Application of Ca(OH)<sub>2</sub> - Comprising Dispersions in CO<sub>2</sub> Capture and Sequestration Technologies**

Valeri S.Harutyunyan, Ashot P.Aivazyan

Recent Patents on Materials Science 2015 2-14

<http://benthamscience.com/journals/recent-patents-on-materials-science/>

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Հոդված

**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

Journal of the American Ceramic Society 2003 2162-2166

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