Philosophical Magazine ›

Volume 86, 2006 - Issue 3-5: Proceedings of the 9th International Conference on Quasicrystals, 22–26 May 2005, Part 1. Guest Editors: Cynthia J. Jenks, Daniel J. Sordelet and Patricia Thiel

40 Views | 8 CrossRef citations to date | 0 Altmetric

Original Articles

From harmonically modulated structures to quasicrystals

G. Urban & J. Wolny

Pages 629-635 | Received 14 May 2005, Accepted 10 Jul 2005, Published online: 21 Aug 2006

Cite this article https://doi.org/10.1080/14786430500251814

Sample our Physical Sciences Journals
>> Sign in here to start your access to the latest two volumes for 14 days

Full Article | Figures & data | References | Citations | Metrics

Reprints & Permissions | Read this article | Share

Abstract

A statistical approach was used for the modulated structures and some universal behaviours of probability distributions and their autocorrelation functions (average Patterson functions) were found. This method was also used for the analysis of the Fibonacci chain regarded as a multi-q modulated structure.

Previous article | View issue table of contents | Next article

Acknowledgements

A financial support from the State Committee for Scientific Research under grant No. 1P03B05627 is acknowledged.

Related research

Recommended articles | Cited by 8

Electromagnetics theory-based new equation to improve harmonically tuned power amplifier theory and design >

Syed Enamur Rahaman et al.
Journal of Electromagnetic Waves and Applications
Published online: 24 Mar 2024

Adhesion contact problem of spherical indenter on two-dimensional hexagonal quasicrystals >

Yapeng Duan et al.
Philosophical Magazine
Published online: 17 Mar 2025

Diffusion–reaction modelling of modulated hydrogen loading >

Marcel Simhofer et al.
Philosophical Magazine
Published online: 4 Apr 2024

View more

Information for

Authors

R&D professionals

Editors

Librarians

Societies

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Help and information

Help and contact

Newsroom

All journals

Books

Keep up to date

Register to receive personalised research and resources by email

Sign me up

Copyright © 2026 Informa UK Limited Privacy policy

Cookies Terms & conditions Accessibility

Registered in England & Wales No. 01072954
5 Howick Place | London | SW1P 1WG

Taylor & Francis by informa