

Document details

[< Back to results](#) | 1 of 1[Export](#) [Download](#) [Print](#) [E-mail](#) [Save to PDF](#) [Add to List](#) [More... >](#)[Full Text](#) [View at Publisher](#)

AIP Conference Proceedings

Volume 1974, 28 June 2018, Article number 030010

25th National Symposium on Mathematical Sciences: Mathematical Sciences as the Core of Intellectual Excellence, SKSM 2017; Kuantan, Pahang; Malaysia; 27 August 2017 through 29 August 2017; Code 137617

Uniform convergence of the eigenfunction expansions associated with the bi-harmonic operator on the closed domain (Conference Paper)

Rakhimov, A.^a [✉](#), Aslam, S.N.A.M.^b [✉](#) [👤](#)^aDepartment of Science, Kulliyah of Engineering, International Islamic University Malaysia, Malaysia^bDepartment of Mathematics, Faculty of Science, University Putra Malaysia, Malaysia

Abstract

[View references \(21\)](#)

In the paper we prove uniform convergence of the Riesz means of eigenfunction expansions associated with the bi-harmonic operator on the closed domain. © 2018 Author(s).

SciVal Topic Prominence ⓘ

Topic: Expansion | Operators | Eigenfunction expansions

Prominence percentile: 27.402 ⓘ

Author keywords

[Bi-harmonic operator](#) [Eigenfunction expansions](#) [Riesz means](#) [Spaces of distributions](#)

ISSN: 0094243X

ISBN: 978-073541681-9

Source Type: Conference Proceeding

Original language: English

DOI: 10.1063/1.5041654

Document Type: Conference Paper

Volume Editors: Maidinsah H., Sharif S.R., Rahman W.E.Z.W.A., Akbarally A.B., Mohamed M., Mohamad D., Jaffar M.M.

Sponsors:

Publisher: American Institute of Physics Inc.

References (21)

[View in search results format >](#)
 All [Export](#) [Print](#) [E-mail](#) [Save to PDF](#) [Create bibliography](#)

- 1 Reed, M., Simon, B. (1980) *Modern Methods Mathematical Physics*, 2, pp. 1-369. Cited 7623 times. (Academic Press.)

Metrics ⓘ

0 Citations in Scopus

0 Field-Weighted Citation Impact

PlumX Metrics [v](#)

Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert >](#)[Set citation feed >](#)

Related documents

On the summability of the spectral expansions associated with the elliptic differential operators

Rakhimov, A. (2018) *Journal of Physics: Conference Series*

Uniform Convergence of the Eigenfunction Expansions of Distributions Associated with the Polyharmonic Operator on Closed Domain

Rakhimov, A. , Mohd Aslam, S.N.A. (2018) *Journal of Physics: Conference Series*

Equiconvergence in Summation Associated with Elliptic Polynomial

Fargana, A. , Rakhimov, A.A. , Khan, A.A. (2018) *Journal of Physics: Conference Series*

View all related documents based on references

2 Alimov, Sh.A.
(1993) *Dokl. Math.*, 331, pp. 661-662. Cited 22 times.

Find more related documents in
Scopus based on:

Authors > Keywords >

3 Alimov, Sh.A., Rakhimov, A.A.
Localization of spectral expansions of distributions
(1996) *Differential Equations*, 32 (6), pp. 798-802. Cited 12 times.

4 Triebel, H.
(1999) *Interpolation Theory - Function Spaces - Differential Operators*, pp. 1-532. Cited 3 times.
(Wiley, Jan 6, - Science)

5 Gazzola, F., Grunau, H.-C., Sweers, G.
Polyharmonic Boundary Value Problems, pp. 1-429. Cited 148 times.
(Springer)

6 Il'in, V.A.
(1995) *Spectral Theory of Differential Operators*, pp. 1-390. Cited 6 times.
(Consultants Bureau, New York)

7 Il'in, V.A.
(1958) *Mat. Sbornik*, 45, pp. 195-232. Cited 10 times.

8 Moiseev, E.I.
(1977) *Dokl. Akad. Nauk SSSR*, 233, pp. 1042-1045. Cited 9 times.

9 Alimov, Sh.A., Rakhimov, A.A.
(1986) *Dokl. Acad Nauk UzSSR*, 10, pp. 5-7. Cited 6 times.

10 Rakhimov, A.A.
(1987) *J. Izv. Akad. Nauk UzSSR, Ser. Fiz.-Mat. Nauk*, 6, pp. 17-22. Cited 5 times.

11 Rakhimov, A.A.
(1987) *On the Uniform Convergence of Spectral Expansions of Continuous Functions from the nikol'Skii Space in the Closed Domain*, pp. 1-18.
(De VINITI. 1564-B87)

- 12 Rakhimov, A.A.
On the uniform convergence of Fourier series on a closed domain

(2017) *Eurasian Mathematical Journal*, 8 (3), pp. 60-69. Cited 4 times.
www.emj.enu.kz
-
- 13 Rakhimov, A.A., Zakariya, K., Alikhan, N.
(2010) *Jour. The Nucleus*, 47, pp. 261-265. Cited 4 times.
-
- 14 Alimov, Sh.A., Rakhimov, A.A.
Localization of spectral expansions of distributions in a closed domain

(1997) *Differential Equations*, 33 (1), pp. 80-82. Cited 7 times.
-
- 15 Rakhimov, A.A.
On the summability of multiple trigonometric fourier series of distributions

(2000) *Doklady Mathematics*, 62 (2), pp. 163-165. Cited 6 times.
-
- 16 Rakhimov, A.A.
Spectral decompositions of distributions from negative Sobolev classes

(1996) *Differential Equations*, 32 (7), pp. 1011-1013. Cited 6 times.
-
- 17 Rakhimov, A.A.
Localization conditions for spectral decompositions related to elliptic operators from the class A_r

(1996) *Mathematical Notes*, 59 (3-4), pp. 298-302. Cited 6 times.
<http://www.kluweronline.com/issn/0001-4346>
doi: 10.1007/BF02308542

View at Publisher
-
- 18 Rakhimov, A.A.
(1996) *Mat. Zametki*, 59 (3), pp. 421-427. Cited 2 times.
(translation from, No.,)
-
- 19 Rakhimov, A.A.
On the localization of the riesz means of multiple fourier series of distributions
(Open Access)

(2011) *Abstract and Applied Analysis*, 2011, art. no. 731249. Cited 7 times.
doi: 10.1155/2011/731249

View at Publisher
-

- 20 Rakhimov, A.A.
On the equiconvergence of the Fourier series and the Fourier integral of distributions

(2016) *AIP Conference Proceedings*, 1739, art. no. 020060. Cited 3 times.

<http://scitation.aip.org/content/aip/proceeding/aipcp>

ISBN: 978-073541396-2

doi: 10.1063/1.4952540

[View at Publisher](#)

- 21 Rakhimov, A.A., Hassan, T.B.H., Rasedee, A.F.N.B.
On Equiconvergence of Fourier Series and Fourier Integral ([Open Access](#))

(2017) *Journal of Physics: Conference Series*, 819 (1), art. no. 012025. Cited 2 times.

<http://www.iop.org/EJ/journal/conf>

doi: 10.1088/1742-6596/819/1/012025

[View at Publisher](#)

🔍 Rakhimov, A.; Department of Science, Kulliyah of Engineering, International Islamic University Malaysia, Malaysia;
email:abdumalik@iiium.edu.my

© Copyright 2018 Elsevier B.V., All rights reserved.

< [Back to results](#) | 1 of 1

[^ Top of page](#)

About Scopus

[What is Scopus](#)
[Content coverage](#)
[Scopus blog](#)
[Scopus API](#)
[Privacy matters](#)

Language

[日本語に切り替える](#)
[切换到简体中文](#)
[切换到繁體中文](#)
[Русский язык](#)

Customer Service

[Help](#)
[Contact us](#)

ELSEVIER

[Terms and conditions](#) ↗ [Privacy policy](#) ↗

Copyright © 2019 Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies.

 RELX