

[Full Text from Publisher](#)
[Find PDF](#)
[Export...](#)
[Add to Marked List](#)

## Uniform convergence of the Fourier-Laplace series

By: [bin Rasedee, AFN](#) (bin Rasedee, Ahmad Fadly Nurullah)<sup>[1,2]</sup>; [Rakhimov, A](#) (Rakhimov, Abdumalik)<sup>[1]</sup>; [Ahmedov, AA](#) (Ahmedov, Anvarjon A.)<sup>[3]</sup>

[View Web of Science ResearcherID and ORCID](#)

4TH INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES (ICMS4): MATHEMATICAL SCIENCES: CHAMPIONING THE WAY IN A PROBLEM BASED AND DATA DRIVEN SOCIETY

Edited by: [Zamzuri, ZH](#); [AbdulRazak, F](#); [Zin, WZW](#); [DzulKifli, SC](#)

Book Series: AIP Conference Proceedings

Volume: 1830

Article Number: UNSP 070006

DOI: 10.1063/1.4980955

Published: 2017

Document Type: Proceedings Paper

### Conference

Conference: 4th International Conference on Mathematical Sciences (ICMS)

Location: Putrajaya, MALAYSIA

Date: NOV 15-17, 2016

Sponsor(s): Univ Kebangsaan Malaysia, Sch Math Sci

### Abstract

This study examines the problem of uniform convergence for the functions from the Nikolskii class. The uniform convergences for the Riesz means of the Fourier-Laplace series in the Nikolskii class  $H-p(a)(S-N)$  proved under certain conditions.

### Author Information

Reprint Address: bin Rasedee, AFN (reprint author)

+ Int Islamic Univ Malaysia, Department Sci, Kulliyah Engr, Kuala Lumpur, Selangor, Malaysia.

Reprint Address: bin Rasedee, AFN (reprint author)

+ Univ Sains Islam Malaysia, Fac Econ & Muamalat, Nilai, Malaysia.

Addresses:

+ [ 1 ] Int Islamic Univ Malaysia, Department Sci, Kulliyah Engr, Kuala Lumpur, Selangor, Malaysia

+ [ 2 ] Univ Sains Islam Malaysia, Fac Econ & Muamalat, Nilai, Malaysia

+ [ 3 ] Univ Malaysia Pahang, Fac Ind Sci & Technol, Gambang, Malaysia

### Funding

Funding Agency	Grant Number
IIUM FRGS	14 142 0383

[View funding text](#)

### Publisher

AMER INST PHYSICS, 2 HUNTINGTON QUADRANGLE, STE 1N01, MELVILLE, NY 11747-4501 USA

### Categories / Classification

Research Areas: Mathematics; Physics

Web of Science Categories: Mathematics, Applied; Physics, Applied

[See more data fields](#)

### Citation Network

In Web of Science Core Collection

0

Times Cited

[Create Citation Alert](#)

9

Cited References

[View Related Records](#)

### Use in Web of Science

Web of Science Usage Count

0

1

Last 180 Days

Since 2013

[Learn more](#)

This record is from:

Web of Science Core Collection

- Conference Proceedings Citation Index-Science

[Suggest a correction](#)

*If you would like to improve the quality of the data in this record, please suggest a correction.*

## Cited References: 9

Showing 9 of 9 [View All in Cited References page](#)

(from Web of Science Core Collection)

- 1. On spectral decompositions of functions in  $H^{\alpha,p}$**  Times Cited: 1  
By: Alimov, Sh.A.  
Mat. Sb. (N.S.) Volume: 101 Issue: 143 Published: 1976  
1(9) 3aAS20
- 2. The summability of the Laplace and Legendre series** Times Cited: 6  
By: Gronwall, TH  
MATHEMATISCHE ANNALEN Volume: 75 Pages: 321-375 Published: 1914
- 3. Title: [not available]** Times Cited: 8  
By: Il'in, V.A.  
Spectral Theory of Differential Operators: self-adjoint differential operators Published: 1995  
Publisher: Consultants Bureau, New York
- 4. Recherches sur la sommabilite des series ultraspheriques par la methode des moyennes arithmetiques** Times Cited: 46  
By: Kogbetliantz, EG.  
J. Math. Pures Appl. Volume: 3 Issue: 9 Pages: 107-187 Published: 1924
- 5. On the uniformly convergence and localization of arithmetic means of Fourier-Laplace series** Times Cited: 4  
By: Pulatov, A.K.  
J. Soviet Doclads Volume: 258 Issue: 3 Pages: 554-556 Published: 1981
- 6. On the Uniform Convergence of Fourier Series** Times Cited: 3  
By: Rakhimov, A.  
MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES Volume: 10 Special Issue: S Pages: 55-60 Part: 1 Published: FEB 2016
- 7. On the localization of Fourier-Laplace Series of Distributions** Times Cited: 2  
By: Rakhimov, A. A.  
Some problems of Analysis and Algebra Pages: 92-95 Published: 1994  
the book  
Publisher: TashGU, Tashkent
- 8. Title: [not available]** Times Cited: 2  
By: Rasedee, A. F. N.  
Spectral expansions of Laplace-Beltrami operator on unit sphere Published: 2015  
Publisher: University Putra of Malaysia
- 9. Title: [not available]** Times Cited: 2,217  
By: Triebel, H.  
Interpolation Theory, Function Spaces, Differential Operators Published: 1978  
Publisher: North-Holland

Showing 9 of 9 [View All in Cited References page](#)

