

## Relevant information concerning the violations of mandatory for being fulfilled rules, committed when awarding PhD to E.Burtseva at LTU, Sweden.

Hereby there are provided **screenshots** showing that everything in the PhD defence event was somehow deliberately brazen. It was a **shameless mockery** of the rules and respect for laws and society.

It doesn't look like occasional errors. The accomplices did everything as if they were deliberately teasing **to show that they could do whatever they wanted**, brazenly breaking the rules just to show their power over laws, rules, and common sense in general.

Otherwise, how can one, for instance, understand the following:

- \* **What was the reason to first announce** the PhD thesis as consisting of **only two articles** and leave such an announcement until there was a persistent request from the outside stating that the mandatory for fulfilling rules had been violated?
- \* **For what reason was the thesis hidden** even during some days after the act of defence, violating the main rule of its mandatory publicity?
- \* **For what reason was the forgery** committed by presenting an intentionally fabricated version as the original full text of the PhD thesis?
- \* **For what reason no link was provided** to the event declared as a public act, which must mandatory be public?

In the following screenshots the relevant information concerning **the dates and content** is marked as framed.

The screenshot displays a web browser window with the URL `ltu.diva-portal.org/smash/record.jsf?pid=diva2%3A1477224&dsid=9530`. The page shows a record for a PhD thesis. The following information is highlighted with red boxes:

- Open Access in DIVA:** No full text in DIVA
- Authority records BETA:** Burtseva, Evgeniya
- Search in DIVA:** By author/editor: Burtseva, Evgeniya; By organisation: Mathematical Science
- On the subject:** Mathematical Analysis
- Search outside of DIVA:** Google, Google Scholar
- Visits for this publication:** A bar chart showing visits for Dec 2020 and Nov 2020. Total: 1151 hits.
- Public defence:** 2020-12-14, 8:32, Luleå, 13:00 (English)
- Opponent:** Skrzypczak, Laszek, Professor
- Supervisors:** Maligranda, Lech
- Available from:** 2020-10-19 **Created:** 2020-10-19 **Last updated:** 2020-11-17
- List of papers:**
  - Necessary and sufficient conditions for the boundedness of weighted Hardy operators in Hölder spaces
  - Multi-dimensional Hardy type inequalities in Hölder spaces

The system clock in the bottom right corner shows 10:58 on 01/12/2020.

**Fig. 1:**

The PhD thesis was **announced as consisting of only two articles** by December 2 (12 days before the defense act, whereas according to the rules **the full text of the thesis** must be publicly available no later than 3 weeks), see description in “**Appendix\_C**” and “**Appendix\_D**”.

**Boundedness of some linear operators in various function spaces**

Burtseva, Evgeniya

Luleå University of Technology, Department of Engineering Sciences and Mathematics, Mathematical Science.  
ORCID iD: 0000-0003-1963-6829

2020 (English)

**Doctoral thesis, comprehensive summary (Other academic)****Place, publisher, year, edition, pages**

Luleå University of Technology, 2020.

**Series**

Doctoral thesis / Luleå University of Technology 1 jan 1997 → ..., ISSN 1402-1544

**National Category**

Mathematical Analysis

**Research subject**

Applied Mathematics

**Identifiers**

URN: urn:nbn:se:ltu:diva-81169

ISBN: 978-91-7790-687-2 (print)

ISBN: 978-91-7790-688-9 (electronic)

OAI: oai:DiVA.org:ltu-81169

DiVA, id: diva2:1477224

**Public defence**

2020-12-14, E632, Luleå, 13:00 (English)

**Opponent**

Skrzypczak, Laszek, Professor

**Supervisors**

Maligranda, Lech

**Available from:** 2020-10-19 **Created:** 2020-10-16 **Last updated:** 2020-11-17

Bibliographically approved

**List of papers**

1. Necessary and sufficient conditions for the boundedness of weighted Hardy operators in Hölder spaces
2. Multi-dimensional Hardy type inequalities in Hölder spaces

## After the next updating on Dec 3:

DiVA Digitala Vetenskapliga Arkivet

Simple search | Advanced search - Research publications | Advanced search - Student theses | Statistics

Coming theses | Boundedness of some linear operators in various function spaces

Cite Export | 90 91 92 93 94 95 96 | 93 of 164 | Link to record

<< Back to result list

**Boundedness of some linear operators in various function spaces**

- Burtseva, Evgeniya  
Luleå University of Technology, Department of Engineering Sciences and Mathematics, Mathematical Science.  
ORCID ID: 0000-0003-1963-6829

2020 (English)

**Doctoral thesis, comprehensive summary (Other academic)**

Place, publisher, year, edition, pages  
Luleå University of Technology, 2020.

Series  
Doctoral Thesis / Luleå University of Technology 1 jan 1997 - ..., ISSN 1402-1544

**National Category**  
Mathematical Analysis

**Research subject**  
Applied Mathematics

**Identifiers**  
URN: urn:nbn:se:ltu:diva-81169  
ISBN: 978-91-7790-687-2 (print)  
ISBN: 978-91-7790-688-9 (electronic)  
OAI: oai:DiVA.org:ltu-81169  
DiVA, id: diva2:1477224

**Public defence**  
2020-12-14, E632, Luleå, 13:00 (English)

**Opponent**  
Skrzypczak, Leszek, Professor

**Supervisors**  
Maligranda, Lech

**Available from:** 2020-10-19 **Created:** 2020-10-11 **Last updated:** 2020-12-03  
Bibliographically approved

**List of papers**

1. Weighted Fractional and Hardy type operators in Orlicz–Morrey spaces
2. Boundedness of the Riesz potential in central Morrey–Orlicz spaces
3. Multi-dimensional Hardy type Inequalities in Hölder spaces
4. Necessary and sufficient conditions for the boundedness of weighted Hardy operators in Hölder spaces

**Open Access in DiVA**  
No full text in DiVA

**Search in DiVA**

**By author/editor**  
Burtseva, Evgeniya

**By organisation**  
Mathematical Science

**On the subject**  
Mathematical Analysis

**Search outside of DiVA**

Google  
Google Scholar

Visits for this publication

1500  
1000  
500  
0

Oct Nov Dec

Total: 1414 hits

Cite Export | 90 91 92 93 94 95 96 | 93 of 164 | Link to record

C:\Users\nat... | Boundednes... | New Microso... | PT | 10:38 03/12/2020

Fig. 2

## After the next updating on Dec 7:

Not secure | ltu.diva-portal.org/smash/record.jsf?pid=diva2%3A1477224&dswid=-3537

LULEÅ UNIVERSITY OF TECHNOLOGY Publications

Simple search | Advanced search - Research publications | Advanced search - Student theses | Statistics

Change search

Boundedness of some linear operators in various function spaces

Cite Export | Link to record

**Boundedness of some linear operators in various function spaces**

- Burtseva, Evgeniya  
Luleå University of Technology, Department of Engineering Sciences and Mathematics, Mathematical Science.  
ORCID ID: 0000-0003-1963-6829

2020 (English)

**Doctoral thesis, comprehensive summary (Other academic)**

**Abstract [en]**  
This PhD thesis is devoted to boundedness of some classical linear operators in various function spaces. We prove boundedness of weighted Hardy type operators and the weighted Riesz potential in Morrey–Orlicz spaces. Furthermore, we consider central Morrey–Orlicz spaces and prove boundedness of the Riesz potential in these spaces. We also present results concerning boundedness of Hardy type operators in Hölder type spaces. The thesis consists of four papers (Papers A–D), two complementary appendices (A<sub>1</sub>, B<sub>1</sub>) and an introduction.

**Open Access in DiVA**  
Fulltext (512 kB)  
0 downloads

**Authority records BETA**  
Burtseva, Evgeniya

**Search in DiVA**

**By author/editor**  
Burtseva, Evgeniya

**By organisation**  
Mathematical Science

**On the subject**  
Mathematical Analysis

C:\Users\nat... | C:\Users\nat... | C:\Users\nat... | Boundednes... | fdc-0494.pdf... | RU | 16:33 08/12/2020

Fig. 3

The public version on the day of the PhD defence: Dec 14, 2020: The same file "FULLTEXT04 512kB".

Not secure | ltu.diva-portal.org/smash/record.jsf?pid=diva2%3A1477224&dswid=554

Boundedness of some linear operators in various function spaces

Cite Export Link to record

**Boundedness of some linear operators in various function spaces**

▼ Burtseva, Evgeniya  
Luleå University of Technology, Department of Engineering Sciences and Mathematics, Mathematical Science.  
ORCID ID: 0000-0003-1963-6829

2020 (English)

**Doctoral thesis, comprehensive summary (Other academic)**

**Abstract [en]**  
This PhD thesis is devoted to boundedness of some classical linear operators in various function spaces. We prove boundedness of weighted Hardy type operators and the weighted Riesz potential in Morrey–Orlicz spaces. Furthermore, we consider central Morrey–Orlicz spaces and prove boundedness of the Riesz potential in these spaces. We also present results concerning boundedness of Hardy type operators in Hölder type spaces. The thesis consists of four papers (Papers A–D), two complementary appendices ( $A_1$ ,  $B_1$ ) and an introduction.

The introduction is divided into three parts. In the first part we give main definitions and properties of Morrey spaces, Orlicz spaces and Morrey–Orlicz spaces. In the second part we consider boundedness of the Riesz potential and Hardy type operators in various Banach ideal spaces. These operators have lately been studied in Lebesgue spaces, Morrey spaces and Orlicz spaces by many authors. We briefly describe this development and thereafter we present how these results have been extended to Morrey–Orlicz spaces (Paper A) and central Morrey–Orlicz spaces (Paper B). Finally, in the third part, we introduce Hölder type spaces and present our main results from Paper C and Paper D, which concern boundedness of Hardy type operators in Hölder type spaces.

In Paper A we prove boundedness of the Riesz fractional integral operator between distinct Morrey–Orlicz spaces, which is a generalization of the Adams type result. Moreover, we investigate boundedness of some weighted Hardy type operators and weighted Riesz fractional integral operator between distinct Morrey–Orlicz spaces. The Appendix  $A_1$  contains detailed calculations of some examples, which illustrate one of our main results presented in Paper A.

Open Access in DiVA  
fulltext(512 kB)  
87 downloads

File information  
File name  
FULLTEXT04.pdf  
File size 512 kB  
Checksum SHA-512  
Type fulltext  
Mimetype  
application/pdf

Authority record  
Burtseva, Evgeniya

Search in DiVA  
By author/editor  
Burtseva, Evgeniya

By organisation  
Mathematical Science

On the subject  
Mathematical Analysis

Search outside of DiVA  
Google  
Google Scholar

Downloads of File (FULLTEXT04)

11:59  
14/12/2020

Fig. 4

Not secure | ltu.diva-portal.org/smash/get/diva2:1477224/FULLTEXT04.pdf

FULLTEXT04.pdf 1 / 38

DOCTORAL THESIS

Boundedness of Some Linear Operators  
in Various Function Spaces

FULLTEXT04.pdf  
512/512 KB

16:39  
13/12/2020

Fig. 5:

However, **the file of 38 pages** presented as full text of the PhD thesis, indeed **was not the full text**. The presented one was the intentionally fabricated file.

**The same public version, 2 days after the PhD defence: Dec 16, 2020: The same file "FULLTEXT04 512kB"**

Simple search | Advanced search - Research publications | Advanced search - Student theses | Statistics

Change search

Boundedness of some linear operators in various function spaces

Cite Export | Link to record

**Boundedness of some linear operators in various function spaces**

Burtseva, Evgeniya  
Luleå University of Technology, Department of Engineering Sciences and Mathematics, Mathematical Science.  
ORCID ID: 0000-0003-1963-6829

2020 (English)

**Doctoral thesis, comprehensive summary (Other academic)**

**Abstract [en]**  
This PhD thesis is devoted to boundedness of some classical linear operators in various function spaces. We prove boundedness of weighted Hardy type operators and the weighted Riesz potential in Morrey–Orlicz spaces. Furthermore, we consider central Morrey–Orlicz spaces and prove boundedness of the Riesz potential in these spaces. We also present results concerning boundedness of Hardy type operators in Hölder type spaces. The thesis consists of four papers (Papers A–D), two complementary appendices ( $A_1$ ,  $B_2$ ) and an introduction.

The introduction is divided into three parts. In the first part we give main definitions and properties of Morrey spaces, Orlicz spaces and Morrey–Orlicz spaces. In the second part we consider boundedness of the Riesz potential and Hardy type operators in various Banach ideal spaces. These operators have lately been studied in Lebesgue spaces, Morrey spaces and Orlicz spaces by many authors. We briefly describe this development and thereafter we present how these results have been extended to Morrey–Orlicz spaces (Paper A) and central Morrey–Orlicz spaces (Paper B). Finally, in the third part, we introduce Hölder type spaces and present our main results from Paper C and Paper D, which concern boundedness of Hardy type operators in Hölder type spaces.

In Paper A we prove boundedness of the Riesz fractional integral operator between distinct Morrey–Orlicz spaces, which is a generalization of the Adams type result. Moreover, we investigate boundedness of some weighted Hardy type operators and weighted Riesz fractional integral operator between distinct Morrey–Orlicz spaces. The Appendix  $A_1$  contains detailed calculations of some examples, which illustrate one of our main results presented in Paper A.

In Paper B we prove strong and weak boundedness of the Riesz potential in central Morrey–Orlicz

**Open Access in DiVA**  
Fulltext (512 kB)  
125 downloads

**File information**  
File name: FULLTEXT04.pdf  
File size: 512 kB  
Checksum: SHA-512  
Type: fulltext  
Mimetype: application/pdf

**Authority record**  
Burtseva, Evgeniya

**Search in DiVA**  
By author/editor: Burtseva, Evgeniya  
By organisation: Mathematical Science  
On the subject: Mathematical Analysis

**Search outside of DiVA**  
Google  
Google Scholar

Downloads of File (FULLTEXT04)  
130  
65  
0  
Dic '20

18:11  
16/12/2020

Fig. 6

← → ↻ Not secure | ltu.diva-portal.org/smash/get/diva2:1477224/FULLTEXT04.pdf

FULLTEXT04.pdf | 1 / 38

DOCTORAL THESIS | L

Boundedness of Some Linear Operators  
in Various Function Spaces

FULLTEXT04.pdf  
512/512 KB

Show all ×

18:13  
16/12/2020

Fig. 7

After the last updating in **3 days after the defence: Dec 17, 2020:** The new file "FULLTEXT03 1554kB".

Simple search | Advanced search - Research publications | Advanced search - Student theses | Statistics

English Svenska Norsk

Change search

Boundedness of some linear operators in various function spaces

Cite Export | Link to record

**Boundedness of some linear operators in various function spaces**

Burtseva, Evgeniya  
Luleå University of Technology, Department of Engineering Sciences and Mathematics, Mathematical Science.  
ORCID ID: 0000-0003-1963-6829

2020 (English)

**Doctoral thesis, comprehensive summary (Other academic)**

**Abstract [en]**

This PhD thesis is devoted to boundedness of some classical linear operators in various function spaces. We prove boundedness of weighted Hardy type operators and the weighted Riesz potential in Morrey–Orlicz spaces. Furthermore, we consider central Morrey–Orlicz spaces and prove boundedness of the Riesz potential in these spaces. We also present results concerning boundedness of Hardy type operators in Hölder type spaces. The thesis consists of four papers (Papers A–D), two complementary appendices ( $A_1$ ,  $B_1$ ) and an introduction.

The introduction is divided into three parts. In the first part we give main definitions and properties of Morrey spaces, Orlicz spaces and Morrey–Orlicz spaces. In the second part we consider boundedness of the Riesz potential and Hardy type operators in various Banach ideal spaces. These operators have lately been studied in Lebesgue spaces, Morrey spaces and Orlicz spaces by many authors. We briefly describe this development and thereafter we present how these results have been extended to Morrey–Orlicz spaces (Paper A) and central Morrey–Orlicz spaces (Paper B). Finally, in the third part, we introduce Hölder type spaces and present our main results from Paper C and Paper D, which concern boundedness of Hardy type operators in Hölder type spaces.

In Paper A we prove boundedness of the Riesz fractional integral operator between distinct Morrey–Orlicz spaces, which is a generalization of the Adams type result. Moreover, we investigate boundedness of some weighted Hardy type operators and weighted Riesz fractional integral operator between distinct Morrey–Orlicz spaces. The Appendix  $A_1$  contains detailed calculations of some examples, which illustrate one of our main results presented in Paper A.

In Paper B we prove strong and weak boundedness of the Riesz potential in central Morrey–Orlicz

**Open Access in DiVA**  
Fulltext(1554 kB)  
0 downloads

**File information**  
File name: FULLTEXT03.pdf  
File size: 1554 kB  
Checksum: SHA-512  
Type: fulltext  
Mimetype: application/pdf

**Authority record**  
Burtseva, Evgeniya

**Search in DiVA**  
By author/editor: Burtseva, Evgeniya  
By organisation: Mathematical Science  
On the subject: Mathematical Analysis

**Search outside of DiVA**  
Google  
Google Scholar

Visits for this publication

Year	Visits
2020	~100
2021	~1000
2022	~1000

13:11  
17/12/2020

Fig. 8

The full text of 134 pages appeared only three days after the defence, on 2020-12-17

FULLTEXT03.pdf

1 / 134

DOCTORAL THESIS

Boundedness of Some Linear Operators  
in Various Function Spaces

FULLTEXT03.pdf

Show all

13:15  
17/12/2020

Fig. 9

scholar.google.com/citations?hl=en&user=862OzpQAAAAJ&view\_op=list\_works&sortBy=pubdate

Google Scholar

**Lech Maligranda** FOLLOW

Professor of Mathematics, [Luleå University of Technology](#).  
Verified email at ltu.se  
Mathematics

ARTICLES CITED BY

TITLE	CITED BY	YEAR
<a href="#">Boundedness of the Riesz potential in central Morrey--Orlicz spaces</a> E Burtseva, L Maligranda		2020
<a href="#">Calderón–Zygmund singular integrals in central Morrey–Orlicz spaces</a> L Maligranda, K Matsuoka Tohoku Mathematical Journal 72 (2), 235-259	2	2020

15:16  
20/11/2020

scholar.google.com/citations?hl=en&user=862OzpQAAAAJ&view\_op=list\_works&sortBy=pubdate

Google Scholar

**Lech Maligranda** FOLLOW

Professor of Mathematics, [Luleå University of Technology](#).  
Verified email at ltu.se  
Mathematics

ARTICLES CITED BY

TITLE	CITED BY	YEAR
<a href="#">Boundedness of the Riesz potential in central Morrey--Orlicz spaces</a> E Burtseva, L Maligranda	1	2020
<a href="#">Calderón–Zygmund singular integrals in central Morrey–Orlicz spaces</a> L Maligranda, K Matsuoka Tohoku Mathematical Journal 72 (2), 235-259	3	2020
<a href="#">B jak przestrzeń Banacha</a> L Maligranda Wiadomosci Matematyczne 56 (1), 15-27		2020

19:11  
03/01/2021

In Google Scholar account there were **two co-authors** on 11 Nov 2020 and 03 Jan 2020.

According to the information from the paper, it was submitted to the journal in April, 2021 (with **three co-authors**: E.Burtseva, L.Maligranda and K.Matsuoka)

<https://arxiv.org/abs/2101.01545> [Submitted on 5 Jan 2021] (with **three co-authors**)