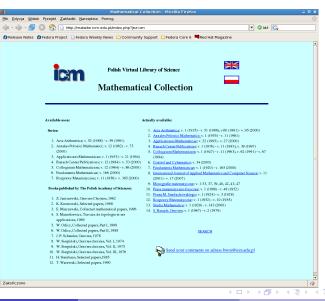
Towards the best repository- migration of Polish Virtual Library of Science to YADDA platform.

Katarzyna Zamłyńska

ICM UW

12.06.08



kz ()

12 June 2008 2 / 7

Polish Virtual Library of Science - Mathematical Collection http://matwbn.icm.edu.pl

Journals 1888-2007

- Fundamenta Mathematicae
- Studia Mathematicae
- Acta Arithmetica
- Colloquium Mathematicum
- Annales Polonici Mathematici
- Banach Center Publications
- Control and Cybernetics
- International Journal of Applied Mathematics and Computer Science
- Prace matematyczno-fizyczne
- Applicationes Mathematicae

Editors:

Polish Mathematical Society Polish Academy of Science Institute of Mathematics System Research Institute

University of Zielona Gora

80% scanned , 20% 'born digital'

Books 1924-1979

- S. Banach, Oeuvres
- Dissertationes Mathematicae
- Collected Papers of M.

Sur les opérations dans les ensembles abstraits et leur application aux équations intégrales¹).

Par

Stefan Banach (Léopol = Lwów).

Introduction. L'opération c'est une relation univoque y Rx c'est-à-dire, telle que

y Rx et z Rx entraîne y = z

pour tout x, y, z.

Chaque relation y Ex comporte un domaine (c'est la réserve des y) est un contre-domaine (la réserve des x) ou champ. L'opération fonctionnelle ou la fonction de ligne c'est une opération dont le domaine et le contre-domaine sont des ensembles de fonctions.

La notion de fonction de ligne fut introduite par M. Volterra. Des recherches à ce sujet ont été faites par M. M. Fréchet, Hadamard, F. Riesz, Pincherle, Steinhaus, Weyl, Lebesgue et par beaucoup d'autres. Dans les premiers ouvrages on admettait que le domaine et le contre-domaine sont des ensembles

R. SIKORSKI (VARSOVIE)

P44. Deux espaces métriques compacts de dimension nulle et dont chacun est homéomorphe à un sous-ensemble ouvert de l'autre sont-ils nécessairement homéomorphes?

La réponse négative serait en particulier une preuve que l'hypothèse d'additivité dénombrahle, dans le théorème de Cantor-Bernstein généralisé aux corps de Boole⁴) ne se laisse pas remplacer par une hypothèse plus faible.

Varsovie, 25. IV. 1948

P 44, R 1. Un exemple (non publié) signalé par K. Kuratowski montre que la réponse est négative pour les espaces métriques compacts de dimension 1.

9) Cf. cc volume, p. 140-144, en particulier p. 143, Theorem 2.

qu'ils ont réussi de sauver ou de reconstituer.

La Rédaction.



(日) (同) (日) (日)



Wactaw Sierpindki

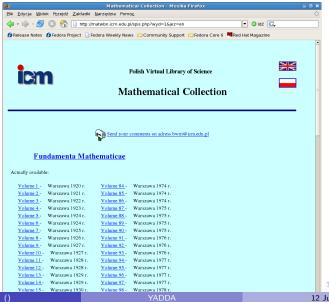
YADDA



kz ()

12 June 2008 2 / 7

<ロ> (日) (日) (日) (日) (日)



kz ()

Polish Virtual Library of Science - Mathematical Collection http://matwbn.icm.edu.pl

			Mozilla Firefox	
k <u>E</u> dycja <u>W</u> idok P <u>r</u> zejd:				े
🕨 • 🖗 • 🖉 🕓 😤	http	//matwbn	icm.edu.pl/wyszukiwarkaen.php?psearch=Banach&rodzaj=Author&Submit=Search 💽 🛛 Idź 🔀	
Release Notes 👩 Fedora	Project [Fedora W	leekiy News 📋 Community Support 📋 Fedora Core 6 📕 Red Hat Magazine	
ic	m		Polish Virtual Library of Science	=
Charadae Benetijskie Gebeuwen, een aan dearwen, een aan dearwen Madelen exactly one	r of character	Search	Author Search Real Rick	
Serie.	Volume	Name	Title	
Eundamenta Mathematicae	L	Banach S.	Sarliquation forstionnelle f(s-ty)=f(x)+f(y)	
Eundamenta Mathematicae	2	Banach S.	Sur les fonctions dérivées des fonctions mesunbles	
Fundamenta Mathematicae	2	Banach S.	Sar les opérations dans les ensembles abstracts et leur application aux équations intégrales	
Eundamenta Mathematicae	4	Banach S.	Sarle probleme de la mesure	
Fundamenta Mathematicae	5	Banach S.	Sar le théoreme de M. Vitali	
Fundamenta Mathematicae	6	Banach S.	Sarune classe de fonctions d'ansemble	
Fundamenta Mathematicae	6	Banach S.	Un théorene sur les transformations biunivoques	Į.
akończono				0
	_	_	4日、4月、4	E 5 4 E

kz ()

2		Mozilla Firefox _ C X
Pik Edycja Widok Przejdź Zakładki Narze		0
🗣 • 🧼 • 🛃 🙁 🐔 🗋 http://matwb	n.icm.edu.pl/wyszukiw	arkaen.php?psearch=%25+Lie+%25&rodzaj=Title&Submit=Sear 💌 🛛 Idź 🕵
🚯 Release Notes 🚯 Fedora Project 🗋 Fedora	Weekly News 🗀 Corr	munity Support 🗀 Fedora Core 6 🤜 Red Hat Magazine
icm	1	Polish Virtual Library of Science
	16 Lie %	Tes <u>Search</u> Real Real
Serie.	Volume, Name	Title
Studia Mathematica	27 Lachterman S.	Exponentially convex functions on a cone in a Lie group
Annales Polonici Mathematici	 Jankiewicz C. 	La dérivée de Lie du contact géométrique
Studia Mathematica	44 Weiss G.	Invariant systems of conjugate harmonic functions associated with compact Lie groups
Studia Mathematica	44 Coifman R.	Invariant systems of conjugate harmonic functions associated with compact Lie groups
Studia Mathematica	47 Leptin H.	On group algebras of ailpotent Lie groups
Banach Center Publications	8 Franzá S.	Generalized weights for operator Lie algebras
Banach Center Publications	9 Bahturin J.	On basic and axiomatic ranks of nilpotent varieties of Lie algebras
Banach Center Publications	2 Lašel A.	Projections of mixed Lie rings
Studia Mathematica	55 Clers J.	Localisation des sommes de Riesz sur un groupe de Lie compact
Studia Mathematica	76 Murphy G.	Associative and Lie subalgebras of finite codimension
Studia Mathematica	76 Radjavi H.	Associative and Lie subalgebras of finite codimension
Zakończono		9

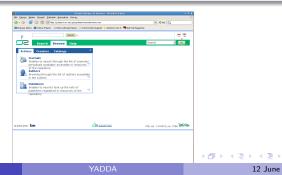
YADDA platform http://yadda.icm.edu.pl

YADDA = Yet Another Digital Document Archive

9 Virtual Libr	ary of Science - Mozilla Firefox	
Pik Edycja Widok Przejdź Zakładki Narzędzia Pomoc		0
💠 - 🌼 - 🤔 💿 😭 🗷 http://yadda.icm.edu.pl/yadda/menu:		 O Idź C.
🚯 Release Notes 🌘 Fedora Project 🗋 Fedora Weekly News 🚞 Comm	nunity Support 🗁 Fedora Core 6 📕 Red Hat Magazi	ne
Search @		FL GB
Search Browse Help		Search 🗾 😡 🔍
Search	8	
Search for Any publication Articles		
containing:	0	
everywhere		
and in title	8	
and among authors	8	
	0	
Choose collections: DIR: sciences MHP BazTech CM Seeb Ceve	0	
© 2005-2007 im	Second Interventional Reports Weekby	DIR, ver. 1.4.0-RC3, rev. 7266

1. Storage index and metadata contents. Provide common set of functionalities

- full-text search and browse independed from indexing
- flexible for different version of metadata
- storage of different type of information
 - publication information
 - change history
 - access control list



2. Aggregation and synchronization of autonomous repositories
transfer all of type of information including security and access
different level of development

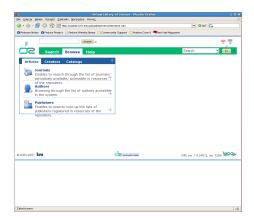
2. Aggregation and synchronization of autonomous repositories

- transfer all of type of information including security and access
- different level of development

	Virtual Library of Science - Mozilla Firefox				
н Балсія Прази	Pyzejsź Załładki Barzędza Pomog				
🏽 - 🏟 - 🔗 I	🕄 😪 🖃 http://yadda.icm.edu.pl/yadda/rep/browsing/journal/details/humber.nav?id=193972 👘	• O tat 💟			
Aelease Notes 🕻	Fedara Project 🗋 Fedara Weekly News 📋 Community Support 🏠 Fedara Core 6 🗮 Red Hat Maga	izine			
۶	Search 0	- 1001 N 30	•		
os I	Search Browse Help	Searth 💆 😡	٥		
Number details:					
Journal	Nation Journal of Meteriniana Extensions				
Barsber	4				
Publisher					
Journal	balab Jaumat of Veterinary Sciences				
Year					
Volume	10				
Gover, Articles					
Gever					
Articles	Besistance of Varios destructor to meet commonly used synthetic acarcides 2. Lookau 3. Soubstante:				
	The relationship between leptin gans polynarphisms and reproductive traits in Jenney cave				
	 Anticoviak; 3. Kamisansk; Prevalence and soldemiological features of onine enzantic abortion in Litruania 				
	A. Sialomskas; S. Patkovickus; M. Pepir; P. Russo; J. Bapdonas;				
	Biochemical absormalities observed in servers of dogs infected with large Babasia in Warsaw (Poland) E. Dhugasz; G. Rapacka; H. Więdrychowicz; O. Gójska-Zygner; W. Zygner;				
	Treatment of nationalities and tible freebures with circular external skeletal fixetor in 22 does 0. Ceptus: H. Bifall: B. Koramo				
	An abaltati parvers in boxing approximent enceptiologicity (ISSE) in Turkey				
	A. Galoubuis; H.H. Boekurt; A. Gurei; H. Yilmez; K.L. Marques; K. Serverez; R. Turee; Replicability of endoscence exercised on as a diseasedic approach in universitient and opp-				
	N. Novelki, Z. Adaviski, P. Hilak, A. Kasprowicz, Influence of releasing on the hyperalized action of chadenal distortion in sheep.				
	S. Lewichi B.F. Kenia;				
	More cuter toping, of Staphylococcus aureus isolated from cave with manths in the east of Foland on the bal casculate	nia of polymorphism of penses cading protein A ar	10		
	1 Kar; A Jakabizak; K Kakaszewska; P. Szweda;				
	Echocarclographic evaluation of disatolic parameters in does with distoid cardiomyspaths NA Gamcarz;				
	Occurrence of peneitic invesions in demestic algebra (Columba Invia domestica) in the Horthern Peland T. Stergel: A Kanololi:				
	The interrelationships between millability trains and subclinical manths in own 5. Japantos, P. Japanterse, J. Kristofene, V. Japantiere, J. Rufetieviere,				
	Development, C. Saperner, S. Presserver, C. Samerner, S. Samerner, S. Samerner, Providencia alcalizations as the construction cause of distribution in dog 1 Movie II. Insurance M. Planck: A Discontrol (OV). W. Janarretti.				
	External constalian for the treatment of loss loss have been address in calific. A relycopecitive shade of JS Genes (2735) 2831)				
	3.F. Hawking, Z.A. Bari Ismail, A.N. Ar Hajak;				
Raficzona			4		

2. Aggregation and synchronization of autonomous repositories

- transfer all of type of information including security and access
- different level of development



(日) (周) (三) (三)

3. flexible metadata format

possibility of adapting to specific needs of content providers supports multiple document hierarchies

- journal->volume->article
- series->book->chapter

	Virtual Library of Science - Mozilla Firefox		×
ik <u>E</u> dycja <u>W</u> idok P <u>r</u> zejdź <u>Z</u> akładki <u>N</u> a	rzędzia Pomog		
Þ • 🧼 - 💋 💿 😭 🗷 http://yadi	la.icm.edu.pl/yadda/search/articleSearchResults.jsf	💌 🕲 ldž 🔀	
Release Notes 🚯 Fedora Project 🗋 Fedo	ra Weekly News 📋 Community Support 🍃 Fedora Core 6 🗮 Red Hat Mag.	azine	
۶ L	Search 0		-
Search Browse	Help	Search 🔮 😡 8	
	results found: 1853 RC Page 176 /186 DD	Abstract	
1751 🚹 Einige Beispiele Brown'sch	er Molekularbewegung unter Einfluß äußerer Kräfte	100%	
Marian Smoluchowski	Pisma Mariana Smoluchowskiego	<u>1927 2</u>	
1752 🚹 Experimentell nachweisbar	e, der übliehen Thermodynamik widersprechende Molekularphänol	mene 100%	
Marian Smoluchowski	Pisma Mariana Smoluchowskiego	<u>1927</u> 2.	
1753 📳 Beitrag zur Theorie der Op	aleszenz von Gasen im kritischen Zustande	100%	-
Marian Smoluchowski	Pisma Mariana Smoluchowskiego	<u>1927</u> 2.	-
1754 📔 O pewnem zagadnieniu kin	etycznej teorji roztworów	100%	
Marian Smoluchowski	Pisma Mariana Smoluchowskiego	<u>1927</u> 2.	
1755 📔 On the practical applicability	of Stokes' law of resistance and its modifications required in certa	in cases 100%	
Marian Smoluchowski	Pisma Mariana Smoluchowskiego	<u>1927</u> 2.	
1756 🔢 Über die Wechselwirkung v	on Kugeln, die sich in einer zähen Flüssigkeit bewegen	100%	_
Marian Smoluchowski	Pisma Mariana Smoluchowskiego	<u>1927 2</u>	- 注入
	YADDA	1	2 June 200

4 / 7

4. Open architecture.

- independent services
- possiblility of work locally or through protocols (HTTP, FTP)
- simplicity of adding own implementation

4. Open architecture.

- independent services
- possiblility of work locally or through protocols (HTTP, FTP)
- simplicity of adding own implementation

YADDA Services:

- Catalog and Editor
- Authentication and Authorization
- Storage and Archive
- Process manager
- Browse
- Search

Search result ranking

- according to importance of the work:
 - number of citation of the work
 - number of citation in the work
- according to similarity of keywords:
 - protein->enzyme

• according to analysis of similarity of part of the text:

→ ∃ →

Search result ranking

- according to importance of the work:
 - number of citation of the work
 - number of citation in the work
- according to similarity of keywords:
 - protein->enzyme

• according to analysis of similarity of part of the text:

< ∃ ►

Search result ranking

• according to importance of the work:

- number of citation of the work
- number of citation in the work
- according to similarity of keywords:
 - protein->enzyme

• according to analysis of similarity of part of the text:

Search result ranking

- according to importance of the work:
 - number of citation of the work
 - number of citation in the work
- according to similarity of keywords:
 - protein->enzyme
- according to analysis of similarity of part of the text:
- identification of the author
 - by affiliation, e-mail
 - by main subject of his papers
 Bialynicki-Birula (quantum mechanics) -> Iwo
 Bialynicki-Birula (algebra)-> Andrzej

information about hierarchy of document object

```
<article langs="eng" format="PDF" id="abpv55p191kz">
<hierarchy year="2008" volume="55" number="1">
<journal-ref ref="abp"/>
<position from="191" to="200"/>
</hierarchy>
```

different language versions of some information

<name lang="eng">Alteration of O-specific polysaccharide structure of symbiotically defective Mesorhizobium loti mutant 2213.1 derived from strain NZP2213< /name> <description lang="eng">Mesorhizobium loti mutant 2213.1 derived from the wild-type strain NZP2213 by Tn5 mutagenesis showed ...< /description> <keywords lang="eng"> <k>O-specific polysaccharide< /k> </keywords>

description of authors and institutions

```
<contributor role="author" title="Anna Turska-Szewczuk">
<person firstname="Anna" surname="Turska-Szewczuk"/>
<affiliation>
<institution>
<name lang="eng">Department of General Microbiology, Maria
Curie-Sklodowska University</name>
<address default="no" country="PL" city="Lublin">Lublin,
Poland</address>
</institution>
```

< /affiliation>

< /contributor>

・ 同 ト ・ ヨ ト ・ ヨ ト

• references of the work

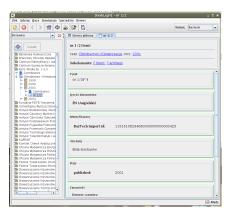
<references> <cite text="D'Antuono AL, Casabuono A, Couto A, Ugalde RA, Lepek VC (2005) Nodule development induced by Mesorhizobium loti mutant strains affected in polysaccharide synthesis. Mol Plant-Microbe Interact 18: 446-457."> < /cite>

non-standart data

```
<attributes>
<a key="dc.coverage">scholarship</a>
</attributes>
```

- < ≣ > - <

- lack of description and keywords
- works written in languages other then english
- problem with equation layout



(日) (同) (三) (三)

DeskLight

- editor for yadda repositories
- view and edit data existing in repository
- add new data
- export/import data to bwmeta format
- work off-line: synchornization from time to time
- work online through protocols: HTTP, FTP,
- add, storage and display equations in LaTeXand MathML mark-up
- program implemented in Java: Windows, Linux and also MacOS version

${\sf Outlook}$

- Prospective integration into EU-DML
- Integration into DRIVER framework
- Basis for prospective Polish system of science repositories

• = • •