Linked data for Holdings and Cataloging: The first step is the hardest!

Violeta Ilik
Texas A&M University Library
01/27/2013
ALA Midwinter 2013, Seattle, WA

free, open-source visualization platform

"sophisticated, robust, transparent and easy to use"

Texas A&M University – 2,800 plus faculty members

Texas A&M University – 2,800 plus faculty members

Heisman trophy winner – Johnny Manziel

Texas A&M University – data about its faculty members, research areas, PhD granting institutions, VIAF, etc.

Texas A&M University Mathematics Department

- 76 tenure track and tenured professors
- 25 visiting faculty
- 29 lecturers

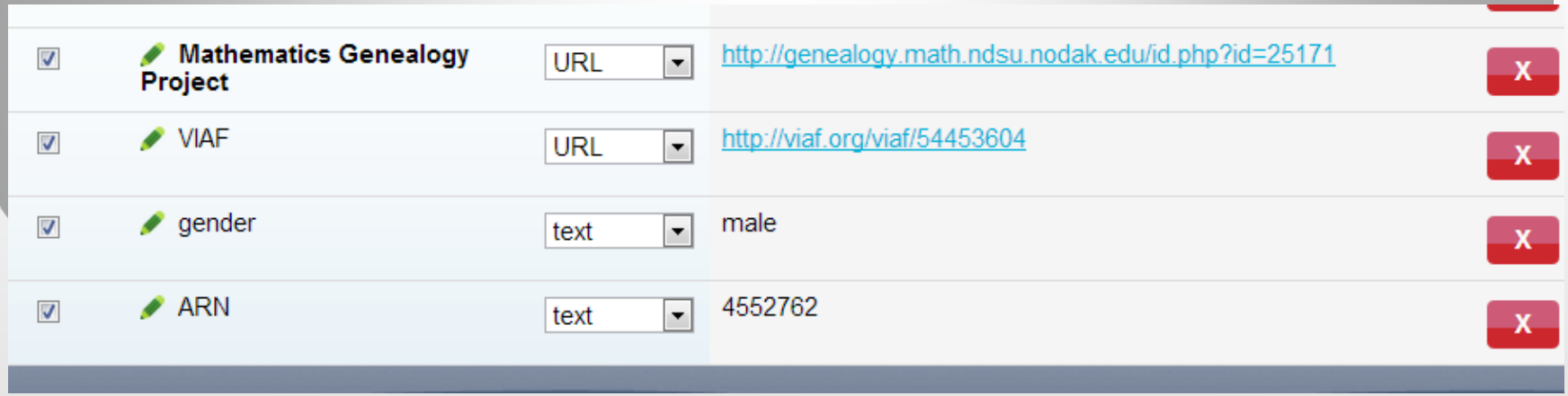
Data can be imported in various formats:

- Spreadsheets – xls only
- XML MODS files
- Dublin Core Data from OAI-PMH
- Some instances of ContentDM

User guide:
http://viewshare.org/about/userguide/#s3.2.4.1

Enabled	Field Name	Add	Type	Value	1 of 76	Delete Record
☑	image		image			X
☑	**PhD date**		date/time	1997		X
☑	**PhD location**		location	42.4406, -76.4969		X
☑	**Research area**		text	Algebra		X
☑	**Bachelor granting insitution**		text	Universidad de Uruguay		X
☑	**Department page**		URL	http://www.math.tamu.edu/directory/formalpg.php?user=maguiar		X
☑	Name		text	Aguiar, Marcelo		X
☑	**PhD granting institution**		text	Cornell University		X
☑	**Master granting institution**		text	*No Value*		X
☑	**Home page**		URL	http://www.math.tamu.edu/~maguiar/		X

Texas A&M University - Math. Department



Texas A&M University

TAMU Math. Dept.

I used Viewshare to generate and customize unique, dynamic views of data about faculty members, their research areas, PhD granting institutions, and the authority records in the Virtual International Authority File (VIAF).

Created by violeta on Jan. 23, 2013 and based on the TAMU Math. Dept. data set.

Inspect | Share | Edit

Search

Research area

- 2 Algebra
- 6 Algebraic Geometry
- 1 Algebraic K-Theory
- 3 Applied Mathematics
- 6 Approximation Theory
- 3 Combinatorial Group Theory
- 1 Combinatorics

Name

- 1 Aguiar, Marcelo
- 1 Allen, G. Donald
- 1 Anshelevich, Michael
- 1 Bangerth, Wolfgang
- 1 Battle, Guy
- 1 Berkolaiko, Gregory
- 1 Boas, Harold

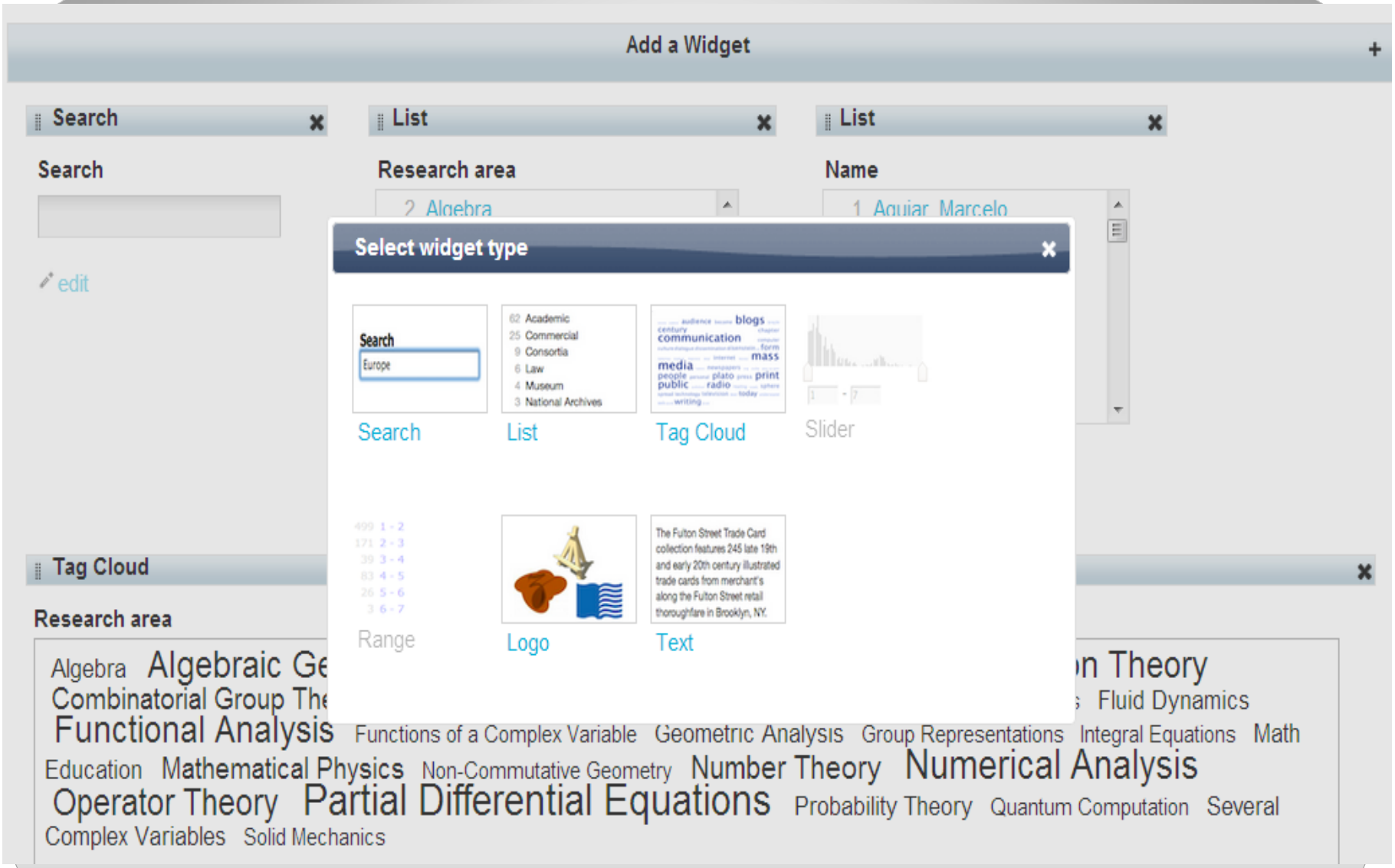
Research area

Algebra Algebraic Geometry Algebraic K-Theory Applied Mathematics Approximation Theory Combinatorial Group Theory Combinatorics Control Theory Differential Geometry Dynamical Systems Fluid Dynamics Functional Analysis Functions of a Complex Variable Geometric Analysis Group Representations Integral Equations Math Education Mathematical Physics Non-Commutative Geometry Number Theory Numerical Analysis Operator Theory Partial Differential Equations Probability Theory Quantum Computation Several Complex Variables Solid Mechanics

RESEARCH AREA LIST • PHD YEAR LIST • PHD GRANTING INSTITUTION MAP • TIMELINE • PHD GALLERY • RESEARCH AREA GALLERY • PIE CHART

76

widgets


Add a Widget
Search
Search
edit
List
Research area
2 Algebra
List
Name
1 Aguiar, Marcelo
Select widget type
Search
Europe
Search
62 Academic
25 Commercial
9 Consortia
6 Law
4 Museum
3 National Archives
List
blogs
century
communication
mass
media
people
plato
print
public
radio
Tag Cloud
Slider
1 - 2
2 - 3
3 - 4
4 - 5
5 - 6
6 - 7
Range
Logo
The Fulton Street Trade Card collection features 245 late 19th and early 20th century illustrated trade cards from merchant's along the Fulton Street retail thoroughfare in Brooklyn, NY.
Text
Tag Cloud
Research area
Algebra
Algebraic Ge
Combinatorial Group The
Functional Analysis
Functions of a Complex Variable
Geometric Analysis
Group Representations
Integral Equations
Math Education
Mathematical Physics
Non-Commutative Geometry
Number Theory
Numerical Analysis
Operator Theory
Partial Differential Equations
Probability Theory
Quantum Computation
Several Complex Variables
Solid Mechanics
n Theory
Fluid Dynamics

widgets

Algebra

Aguiar, Marcelo (link)	
Bachelor granting insitution	Universidad de Uruguay
Department page	http://www.math.tamu.edu/directory/formalpg.php?user=maguiar
gender	male
Home page	http://www.math.tamu.edu/~maguiar/
image	
Master granting institution	
Mathematics Genealogy Project	http://genealogy.math.ndsu.nodak.edu/id.php?id=25171
Name	Aguiar, Marcelo
PhD date	Wed, Jan 1, 1997, 12:00 am
PhD granting institution	Cornell University
PhD location	42.4406, -76.4969
Research area	Algebra
VIAF	http://viaf.org/viaf/54453604

Research area list

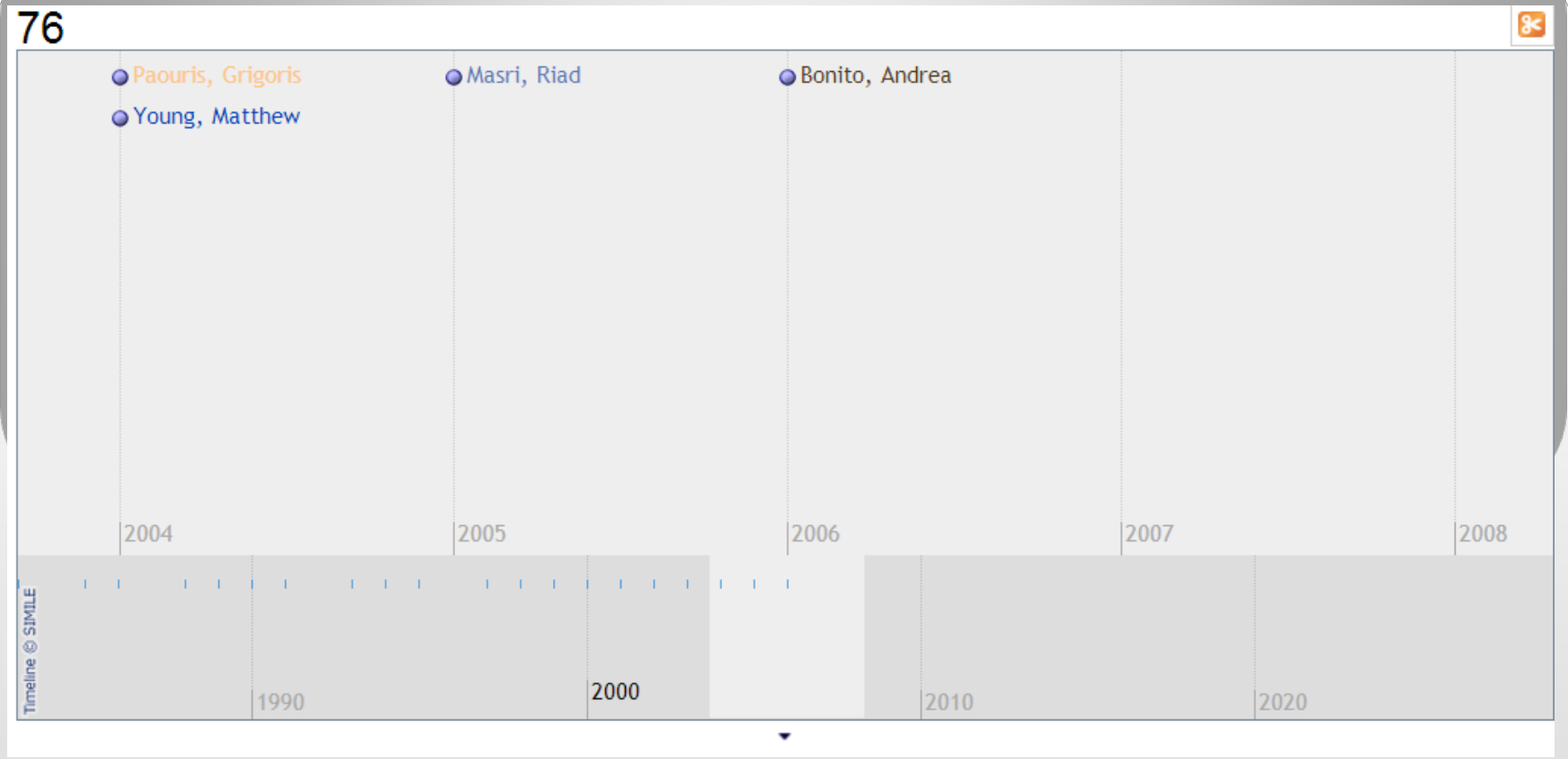
1960

Pearcy, Carl (link)

Bachelor granting insitution	
Department page	http://www.math.tamu.edu/directory/formalpg.php?user=cpearcy
gender	male
Home page	http://www.math.tamu.edu/~cpearcy/
image	
Master granting institution	
Mathematics Genealogy Project	http://genealogy.math.ndsu.nodak.edu/id.php?id=7760
Name	Pearcy, Carl
PhD date	Fri, Jan 1, 1960, 12:00 am
PhD granting institution	Rice University
PhD location	29.7631, -95.3631
Research area	Functional Analysis
VIAF	http://viaf.org/viaf/73917027

PhD year list

PhD granting institution map



Timeline by PhD year

Cornell University

Aguiar, Marcelo

Geller, Sue

Pasciak, Joseph

Duke University

Battle, Guy

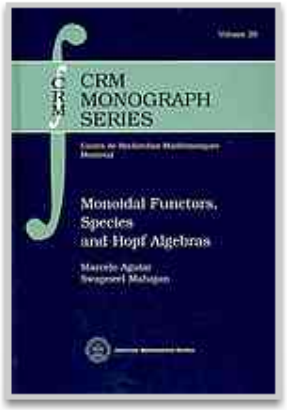
Landsberg, Joseph M.

PhD granting institution gallery

VIAF
Virtual International Authority File

Search

Select Field: Personal Names | Select Index: All VIAF | Search Terms: | Search

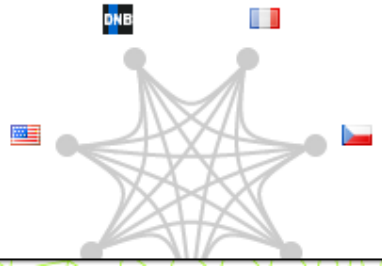


Aguiar, Marcelo, 1968-....

VIAF ID: 54453604 (Personal)
Permalink: http://viaf.org/viaf/54453604

Preferred Forms

100 1 _ ‡a Aguiar, Marcelo ‡d (1968-).
100 1 _ ‡a Aguiar, Marcelo, ‡d 1968-
200 _ | ‡a Aguiar ‡b Marcelo ‡f 1968-....
100 1 _ ‡a Aguiar, Marcelo ‡d 1968-



link to the VIAF

Aguiar, Marcelo 1968-

Overview

Works:	10 works in 15 publications in 2 languages and 298 library holdings
Classifications:	qa613.8, 512.55

Most widely held works by Marcelo Aguiar

Coxeter groups and Hopf algebras by Marcelo Aguiar (Book)
3 editions published in 2006 in English and held by 197 libraries worldwide
An important idea in the work of G.C. Rota is that certain combinatorial objects give rise to Hopf algebras that reflect the manner in which these objects compose and decompose. This text presents a geometric approach using Coxeter complexes and the projection maps of Tits for constructing and studying many of these objects.

Monoidal functors, species and Hopf algebras by Marcelo Aguiar (Book)
2 editions published in 2010 in English and held by 85 libraries worldwide
"This research monograph integrates ideas from category theory, algebra and combinatorics. It is organized in three parts. Part I belongs to the realm of category theory. It reviews some of the foundational work of Bénabou, Eilenberg, Kelly and Mac Lane on monoidal categories and of Joyal and Street on braided monoidal categories, and proceeds to study higher monoidal categories and higher monoidal functors. Special attention is devoted to the notion of a bilax monoidal functor which plays a central role in this work. Combinatorics and geometry are the theme of Part II. Joyal's species constitute a good framework for the study of algebraic structures associated to combinatorial objects. This part discusses the category of species focusing particularly on the Hopf monoids therein. The notion of a Hopf monoid in species parallels that of a Hopf algebra and reflects the manner in which combinatorial structures compose and decompose. Numerous examples of Hopf monoids are given in the text. These are constructed from combinatorial and geometric data and inspired by ideas of Rota and Tits' theory of Coxeter complexes. Part III is of an algebraic nature and shows how ideas in Parts I and II lead to a unified approach to Hopf algebras. The main step is the construction of Fock functors from species to graded vector spaces. These functors are bilax monoidal and thus translate Hopf monoids in species to graded Hopf algebras. This functorial construction of Hopf algebras encompasses both quantum groups and the Hopf algebras of recent prominence in the combinatorics literature. The monograph opens a vast new area of research. It is written with clarity and sufficient detail to make it accessible to advanced graduate students."--Publisher's description.

Alternative Names

Aguiar-Solari, Marcelo, 1968-
Solari, Marcelo Aguiar 1968-....

Languages

English (9)
Portuguese (6)

WorldCat Identities

A Project of OCLC Research

OCLC Online Computer Library Cen

Result of search:

000	00000cz a2200000n 45 0
001	oca04552762
005	20001121070732.0
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010	|**a**nr 97043402
040	|**a**NIC|**b**eng|**c**NIC|**d**OCoLC
100	1 |**a**Aguiar, Marcelo,|**d**1968-
400	1 |**a**Aguiar-Solari, Marcelo,|**d**1968-
670	|**a**Internal categories and quantum groups, c1997:|**b**t.p. (Marcelo Aguiar; Thesis (Ph.D.)--Cornell Univ., Aug., 1997) p. iii (Marcelo Aguiar-Solari; b. 10/7/68 in Montevideo, Uruguay)
999	|**a**192

Library of Congress Authority File

0000000121337380 search more

Examples: Prince; Princeton University; Ken Follett; Follett,Ken

isni

User id: ISNI | log in | logout

shortlist | **title data** | search history 1

results search [or] (ISNI Number (ISN:)) 0000000121337380 | 1 hits

labels | pica+ | marc21

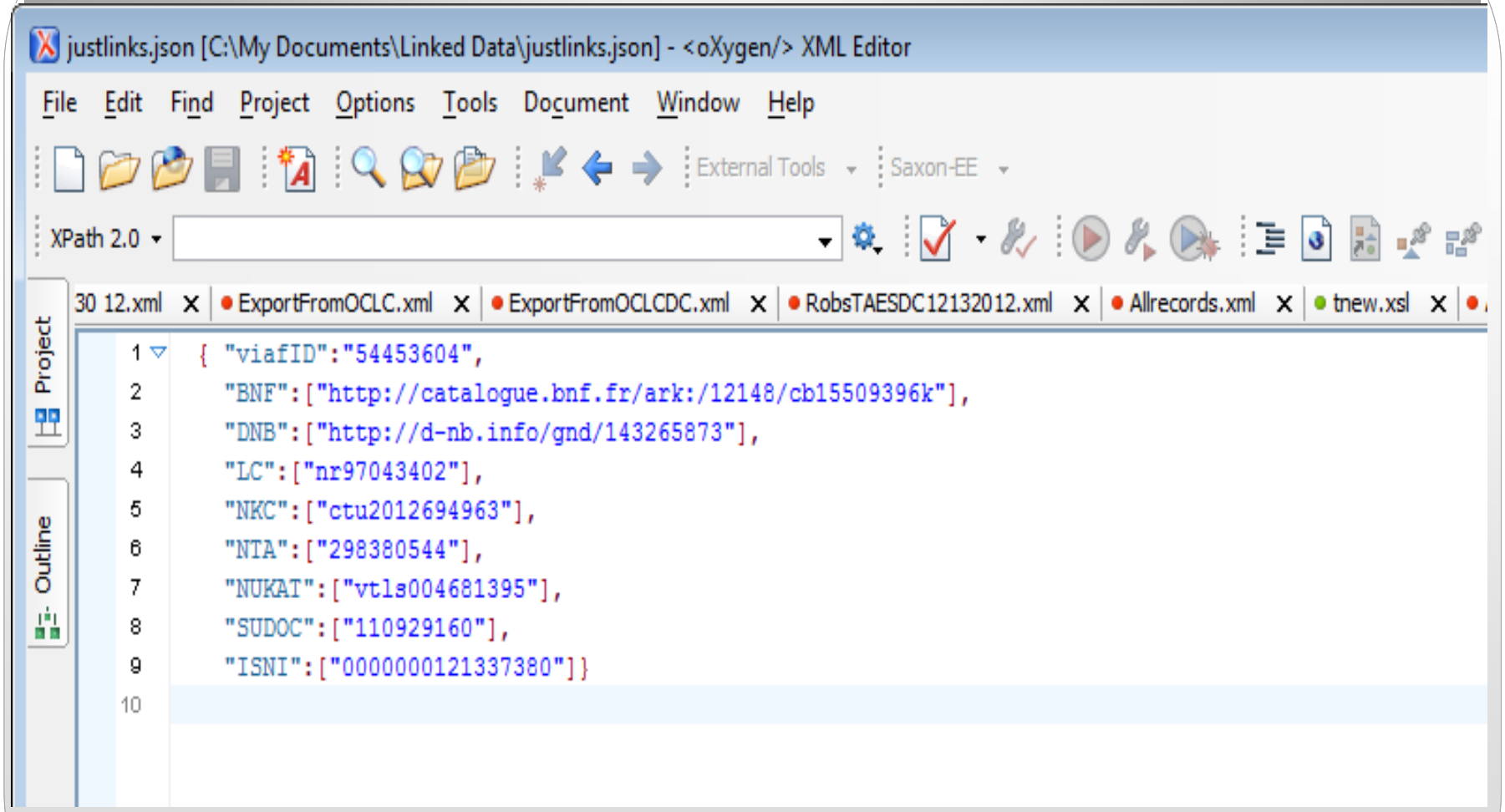
Please help us improve this record

If you have any supplemental information about the identity listed here, please click in this box to go to the contribution form.

Thank you in advance!

ISNI:	0000 0001 2133 7380
Name:	Aguiar Solari, Marcelo Aguiar-Solari, Marcelo Aguiar, Marcelo Solari, Marcelo Aguiar
Dates:	1968-..
Creation class:	Language material Text
Creation role:	070 author
Related names:	Centre de recherches en mathématiques appliquées Montréal, Canada Mahajan, Swapneel (1974-...) Mahajan, Swapneel Arvind (1974-)
Titles:	Coxeter groups and Hopf algebras Internal categories and quantum groups, c1997: Monoidal functors, species and Hopf algebras
Sources:	VIAF BNF DNB LC NKC NUKAT SUDOC BOWKER

ISNI International Agency



Just links in JSON

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Source Options

XPath/Render X3L

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RDF record

Algebraic Geometry

Landsberg, Joseph M.

Lima-Filho, Paulo

Matusevich, Laura Felicia

Rojas, J. Maurice

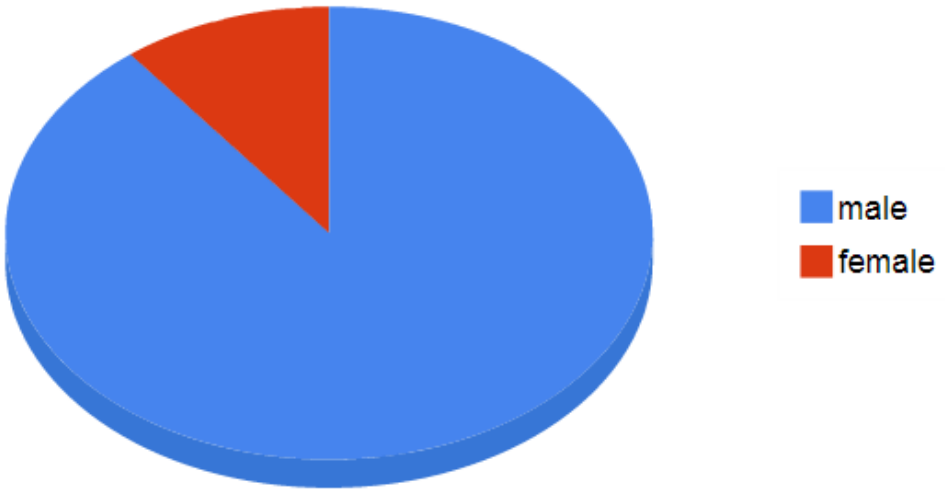
Sottile, Frank

Stiller, Peter

Research area gallery

View by :
gender

Items grouped by gender



Created by violeta based on TAMU Math. Dept..

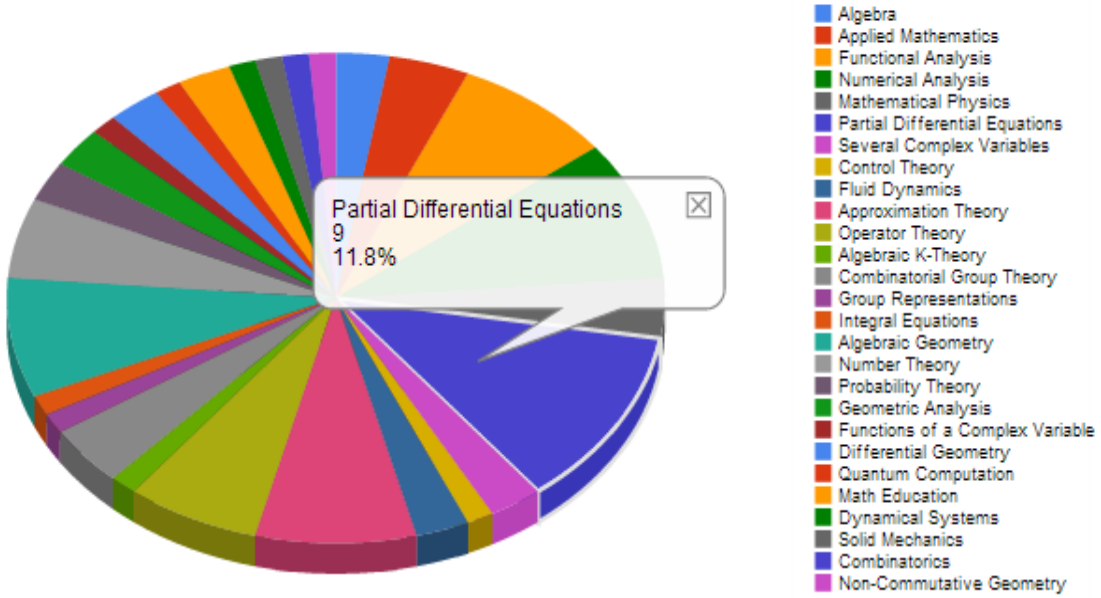
Pie chart - gender

RESEARCH AREA LIST • PHD YEAR LIST • PHD GRANTING INSTITUTION MAP • TIMELINE • PHD GALLERY • RESEARCH AREA GALLERY • **PIE CHART**

View by :

Research_area

Items grouped by Research_area



Created by violeta based on TAMU Math. Dept..

Pie chart – Research area

RESEARCH AREA LIST • PHD YEAR LIST • PHD GRANTING INSTITUTION MAP • TIMELINE • PHD GALLERY • RESEARCH AREA GALLERY • PIE CHART

76

RDF/XML
Semantic wikitext
Tab Separated Values
Exhibit JSON
Facet Selections
Generated HTML of this view

sorted by: Research area; then by... • grouped as sorted

Algebra

Aguiar, Marcelo (link)

Bachelor granting insitution	Universidad de Uruguay
Department page	http://www.math.tamu.edu/directory/formalpg.php?user=maguiar
gender	male
Home page	http://www.math.tamu.edu/~maguiar/
image	
Master granting institution	
Mathematics Genealogy Project	http://genealogy.math.ndsu.nodak.edu/id.php?id=25171
Name	Aguiar, Marcelo
PhD date	Wed, Jan 1, 1997, 12:00 am
PhD granting institution	Cornell University

Export data in various formats

Operator Theory

versus

Partial Differential Equations

Thank you

Violeta Ilik
vilik@library.tamu.edu