

ONIX, BISAC, and MSC: How the Library of Congress CIP Program Utilizes Mappings in the Prepublication Metadata Workflow

NKOS 2021 Consolidated Workshop
September 22, 2021

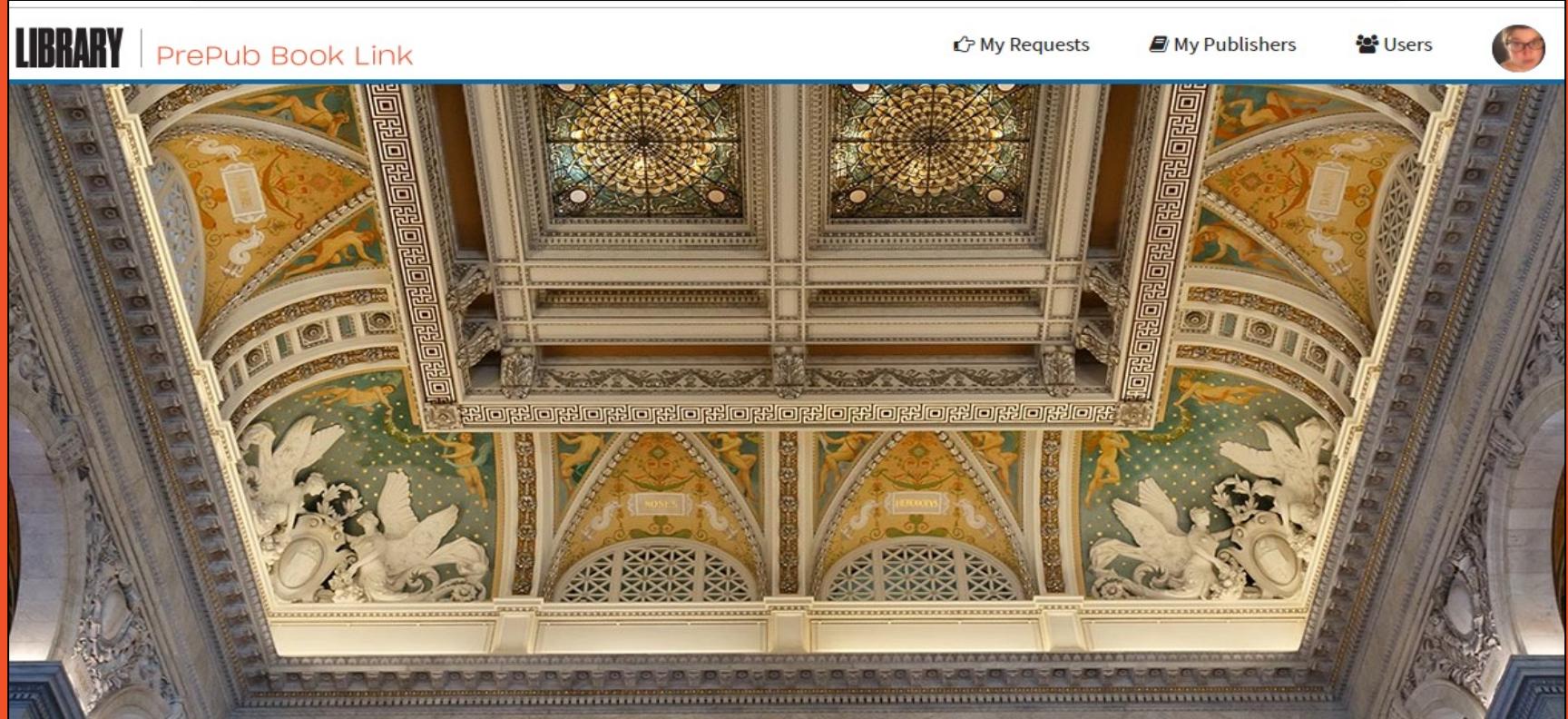
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Acquisitions and Bibliographic Access
Library Services



- Context
- Mappings for Routing
- ONIX
- BISAC
- MSC
- Challenges

CONTEXT

- The Cataloging in Publication (CIP) Program serves the U.S. libraries by cataloging books in advance of publication.
- Publishers submit applications via the Library of Congress PrePub Book Link.
- The Library creates a bibliographic record for each publication and sends it to the publisher.
- The publisher prints CIP data on the verso of the title page.
- The CIP data is available to each library that acquires a copy of the book.
- LOC distributes these records in machine readable form to libraries, bibliographic services, and book vendors.
- These organizations redistribute these records in products and services.
- Over 50,000 CIP records are created annually.



The screenshot shows the homepage of the CIP Publisher Portal. At the top left is the Library of Congress logo. To the right is the title "CIP Publisher Portal". Below the title is a navigation bar with links: "My Requests", "My Publishers", "Users", and a user profile icon. On the far left of the main content area is the word "LIBRARY" and a "PrePub Book Link" button. The central feature is a large, ornate ceiling mural depicting various figures and symbols, likely from the Library of Congress. At the bottom of the page are two buttons: "Request LCCN" with a blue square icon containing a white arrow pointing up-right, and "Request CIP Data" with a blue circle icon containing a white upward-pointing arrow.

MAPPINGS FOR ROUTING

SUBJECT AREA

Please select the subject area that best matches the forthcoming book's subject area. Your selection is used for internal routing purposes. These terms may not appear in the MARC record.

Some terms such as "HOBBIES", "SELF-IMPROVEMENT", "REFERENCE" and "HOW-TO" do not appear on our lists of terms. These books are cataloged by the cataloging team with the relevant subject knowledge. If you have a how-to book about repairing electrical appliances, you should select TECHNOLOGY / ENGINEERING General

Broad Subject Area *

Genealogy



GEOGRAPHICAL FOCUS

Please select the geographical focus that best matches the forthcoming book's geographic area, if applicable. Your selection is used for internal routing purposes only. These terms may not appear in the MARC record.

Does your forthcoming book have a specific geographical focus, such as "The Greening of Antarctica" or "Into the Clouds: the race to climb the world's most dangerous mountain" which is about K2, the mountain located in Pakistan. If so, please select YES. *

Region *

Please select the region that best matches the forthcoming book's geographic focus. If your book's geographic focus is not in the list please select "None of the above." Your selection is used for internal routing purposes and will not affect the cataloging record we create.

Southern States of the U.S.

```
[  
  {  
    subject: "Comics and Graphic Novels",  
    topics: [],  
    mapping: "LIT"  
  },  
  {  
    subject: "Crafts & Hobbies",  
    topics: [],  
    mapping: "Technology"  
  },  
  {  
    subject: "Dance",  
    topics: [],  
    mapping: "GPSE"  
  },  
  {  
    subject: "Education",  
    topics: [],  
    mapping: "GPSE"  
  },  
  {  
    subject: "Egyptology",  
    topics: [],  
    mapping: "University of Chicago"  
  },  
]
```

Name Cataloging SUB Music Section Active

Applies To Assign To Script

Select a Table and specify the Conditions that must be met before the task is assigned to the user or group. The rule is applied only if the task is not already assigned to another user or group.

Table LCCN [sn_customerservice_lccn] ▾

Conditions

All of these conditions must be met

Submission Type ▾ is CIP ▾

Status ▾ is Full cataloging ▾

Subject ▾ is y, Composers and Musicians

or Subject ▾ is Music

Name Cataloging SUB Music Section Active

Applies To Assign To Script

User

Group Music Section

All of these conditions must be met

Submission Type	is	CIP	AND	OR	X
Status	is	Full cataloging	AND	OR	X
Subject	is	Biography & Autobiography,	AND	OR	X
or Subject	is	Biography & Autobiography,	X		
or Subject	is	Biography & Autobiography,	X		
or Subject	is	Comics and Graphic Novels	X		
or Subject	is	Film Studies & Motion Pictur	X		
or Subject	is	Foreign Language Studies, G	X		
or Subject	is	Humor	X		
or Subject	is	Information Science	X		
or Subject	is	Journalism	X		
or Subject	is	Juvenile and Young Adult Fic	X		
or Subject	is	Literature & Literary Criticisr	X		
or Subject	is	Poetry	X		

ONIX

- ONIX = Online Information Exchange
- Family of standards for books, serials, and licensing terms and rights information
- XML standard used to transmit metadata about forthcoming publications through the supply chain
- Developed by EDItEUR jointly with Book Industry Communication (UK) and the Book Industry Study Group (US)
- ONIX for Books was the first developed and most widely-adopted
- ONIX 3.0 is the industry standard



- LC has been receiving ONIX metadata for decades
 - Used passively in CIP cataloging process in former CIP system
 - Used for updating completed records with TOC and book cover links
- PrePub Book Link Products Table
 - Each ISBN is a separate product
 - Stores and parses ONIX metadata commonly used in CIP request
- Prefill with ONIX in CIP Request
 - Allows publishers to search their own ISBN in ONIX they already sent to us
 - Up to 40% of the CIP request prepopulated
- Encourages more accurate and possibly earlier ONIX
- Partner institutions can finally utilize ONIX
- Catalogers include enhanced TOC and BISAC terms

The screenshot shows the 'Request CIP Data' form in the PrePub Book Link application. At the top, there is a navigation bar with links for 'My Requests', 'My Publishers', 'Users', and a 'CE' button. Below the navigation bar, a blue header bar displays the title 'Request CIP Data' and a numbered progress bar from 1 to 7. The steps are: General Information, Contributor Information, Title Page, Series & Volume Info, Galley, Additional Info & Summary, and Confirm & Submit. A note below the progress bar instructs users to use the 'Previous Section' or 'Next Section' buttons to navigate between pages. The main content area is titled 'PREFILL APPLICATION WITH ONIX'. It contains a message about prefilling fields using ONIX data and a 'Prefill with ONIX' button, which is highlighted with a large blue arrow. The 'General Information' section follows, containing questions about publication format, periodic intervals, and intended audience, each with 'Yes' and 'No' radio buttons.

PREFILL APPLICATION WITH ONIX

Many of the fields in this application can be prefilled using ONIX data. If your publisher or aggregate sends ONIX data to the Library of Congress use the Prefill with ONIX button to search our ONIX files, using the ISBN, to see if ONIX data is available for this title.

Prefill with ONIX

General Information

Will the forthcoming book be published in electronic format only? *

Yes No

Will the book appear at periodic intervals? *
(weekly, monthly, annually, quarterly, etc.)

Yes No

Will the book be intended for children or young adults? *

Yes No

The screenshot displays a library product management interface with a search results table and a detailed product edit form.

Search Results Table:

Product identifier	Product name	Title	Primary Language	Electronic Format Only	Is Series	Publisher	Publication Date
9781549120367	(empty)	This Season of Angels	AJ	false		Hachette Audio	06/10/2020
9781107907911	(empty)	Aerospace Cluster 2010 Medlist BOX	XA	false		Cambridge University Press	01/11/2020
9781950584116	(empty)	The Undertaker	BC	false		Green Writers Press	10/10/2020
9781549122415	(empty)	The Chain	AJ	false		Hachette Audio	09/07/2019
9781780894522	(empty)	Dia Alone	BC	false		Penguin Random House UK	01/03/2020
9780520300200	An Impossible Inheritance		BC	false		Rourke Educational Media	11/08/2019

Detailed Product Edit Form:

Product identifier: 9780520300200

Title: An Impossible Inheritance
Characters left: 231

Title Type:

Subtitle: Postcolonial Psychiatry and the Work of Memory in a West African Clinic
Characters left: 185

Publication Date: 02/05/2020

Electronic Format Only: BC

Primary Language: -- None --

Main Subject:

Summary: Weaving sound historical research with rich ethnographic insight, An Impossible Fann Psychiatric Clinic in Dakar, Senegal during the 1960s and 1970s. Today's a sixty year period. Through stories such as that of the ghost said to roam the clinic taken place in Fann's courtyard, Kilroy-Marac argues that memory work is always about the Fann Psychiatric Clinic and its past speak to larger narratives of postcolonial power within the institution and beyond.

Number Within Series:

Main BISAC Subject: SOC002000
Characters left: 991

Table of Contents:
<DIV>List of Illustrations
Acknowledgments

Introduction
Fann
<I>Interlude: Many Battles</I>
 2 • Origin Stories: The Golden Age
<I>Interlude: A Terrible Cry from the Past</I>
 4 • (The Joola)</I>
 6 • Distinctions of the Present
 Conclusion</DIV>
Characters left: 3204

Series ISSN:

Print Format:

BISAC

- BISAC Codes
 - BISAC = Book Industry Standards and Communications
 - Maintained by the BISG
 - nine-character alphanumeric **code** representing a **descriptor**
 - **TRV025070**
- BISAC Subject Heading
 - 54 major sections
 - 2-4 levels per subject heading
 - **TRAVEL / United States / South / General**
- Usage
 - To transmit information between trading partners
 - as search terms in bibliographic databases
 - as access points for database searching
 - as shelving guides



Main BISAC Subject

991 characters remaining of 1000 characters

Table of Contents

4000 characters remaining of 4000 characters

Series ISSN

Print Format

Contributors (2) ONIX BISAC Codes (1)

Search Subject 1 to 1 of 1

ISBN = 9780300263848

Subject Scheme Identifier

[ARC004000](#) 10

≡ Code	≡ Literal
<u>POL000000</u>	POLITICAL SCIENCE / General
<u>POL001000</u>	POLITICAL SCIENCE / International Relati...
<u>POL002000</u>	POLITICAL SCIENCE / Public Policy / City...
<u>POL003000</u>	POLITICAL SCIENCE / Civics & Citizenship
<u>POL004000</u>	POLITICAL SCIENCE / Civil Rights
<u>POL005000</u>	POLITICAL SCIENCE / Political Ideologies...
<u>POL006000</u>	POLITICAL SCIENCE / American Government ...
<u>POL007000</u>	POLITICAL SCIENCE / Political Ideologies...
<u>POL008000</u>	POLITICAL SCIENCE / Political Process / ...
<u>POL009000</u>	POLITICAL SCIENCE / Comparative Politics
<u>POL010000</u>	POLITICAL SCIENCE / History & Theory
<u>POL011000</u>	POLITICAL SCIENCE / International Relati...
<u>POL011010</u>	POLITICAL SCIENCE / International Relati...
<u>POL011020</u>	POLITICAL SCIENCE / International Relati...

Product identifier	Title	Main BISAC Subject
9781284251470	Information Security Management + Cloud ...	COM043050
9780778386360	The Last Grand Duchess	FIC014040
9780778311706	The Last Grand Duchess	FIC014040
9780300264463	A Movement in Every Direction	SOC001000
9781913107260	English Garden Eccentrics	ARC008000
9781588397485	Louise Bourgeois	ART016030
9780300263886	Cezanne	ART016030
9780300264777	The Human Planet	SCI026000
9780300263848	The Notebooks and Drawings of Louis I. Kahn	ARC006020
9780876332412	Storied Stone	ARC020000
9780300264500	533	LCO015000
9780300264623	Beethoven	BIO004000
9780300264012	Signs	PHO011030
9780300264487	The Critics	LIT007000

010 †a 2014024391
020 †a 9781137274816 (hardback)
040 †a DLC †b eng †c DLC †e rda †d DLC
042 †a pcc
050 0 0 †a P165 †b .A68 2014
082 0 0 †a 306.44 †2 23
084 †a LAN009040 †a PSY008000 †a SOC002010 †2 bisacsh
245 0 0 †a Approaches to language, culture, and cognition : †b the intersection of cognitive linguistics and linguistic anthropology / †c Edited by Masataka Yamaguchi, University of Queensland, Australia ; Dennis Tay, The Hong Kong Polytechnic University, Hong Kong ; and Benjamin Blount, SocioEcological Informatics, US.
264 1 †a Houndsmill, Basingstoke, Hampshire ; †a New York, NY : †b Palgrave Macmillan, †c 2014.
300 †a xii, 315 pages : †b illustrations, map ; †c 23 cm
336 †a text †2 rdacontent
337 †a unmediated †2 rdamedia
338 †a volume †2 rdacarrier
500 †a This book developed out of an international symposium titled "Cognitive Linguistics and Second Language Acquisition: Towards an Integration of Language, Culture and Cognition" at the University of Otago, New Zealand, 21-22 January 2011.
520 †a "The study of language, culture, and cognition has become increasingly fragmented into separate disciplines and paradigms. This volume aims to re-establish dialogue between cognitive linguists and linguistic anthropologists with 11 original papers on language, culture and cognition, and an editorial introduction. It demonstrates that cognitively-informed perspectives can contribute to a better understanding of social, cultural, and historical phenomena, and argues that cognitive theories are relevant to linguistic anthropology." -- †c Provided by publisher.
504 †a Includes bibliographical references and index.
505 8 †a Machine generated contents note: -- 1. Introduction: Approaches to Language, Culture and Cognition; Masataka Yamaguchi, Dennis Tay, and Benjamin Blount -- PART I - COGNITIVE LINGUISTIC APPROACHES TO LANGUAGE AND CULTURE -- 2. Culture and Cognition, Lexicon and Grammar; Ronald W. Langacker -- 3. Deliteralization and the Birth of 'Emotion'; Dirk Geeraerts -- 4. 'Overthrowing' Yesterday's ICM: Meaning Reversal in a Hong Kong Chinese (Cantonese) Constructional Idiom; Kam-jiyu S. Pang -- PART II: CULTURAL LINGUISTIC APPROACHES TO LANGUAGE AND CULTURE -- 5. Cultural Linguistics; Farzad Sharifian -- 6. Sloppy Selfhood: Metaphor, Embodiment, Animism, and Anthropomorphization in Japanese Language and Culture; Debra J Occhi -- 7. The Ceremonial Origins of Language; Gary B. Palmer, Jennifer Thompson, Jeffrey Parkin, Elizabeth Harmon -- PART III: INTERSECTION OF COGNITIVE LINGUISTICS AND LINGUISTIC ANTHROPOLOGY -- 8. On Intersubjective Co-construction of Virtual Space through Multimodal Means: A Case of Japanese Route-finding Discourse; Kuniyoshi Kataoka -- 9. Discovering Shared Understandings in Discourse: Prototypes and Stereotypes; Masataka Yamaguchi -- 10. Experiences as Resources: Metaphor and Life in Late Modernity; Lionel Wee -- 11. An Analysis of Metaphor Hedging in Psychotherapeutic Talk; Dennis Tay -- PART IV: SUMMARY AND FUTURE DIRECTIONS -- 12. Situating Cultural Models in History and Cognition; Benjamin Blount.
650 0 †a Cognitive grammar †v Congresses.
650 0 †a Psycholinguistics †v Congresses.
650 0 †a Language and culture †v Congresses.
650 0 †a Anthropological linguistics †c Congresses.
650 7 †a LANGUAGE ARTS & DISCIPLINES / Linguistics / Psycholinguistics. †2 bisacsh
650 7 †a PSYCHOLOGY / Cognitive Psychology. †2 bisacsh
650 7 †a SOCIAL SCIENCE / Anthropology / Cultural. †2 bisacsh
700 1 †a Yamaguchi, Masataka, †d 1968- †e editor.
700 1 †a Tay, Dennis, †e editor.
700 1 †a Blount, Ben G., †d 1940- †e editor.
710 2 †a University of Otago. †b Department of Languages and Cultures.

Library of Congress Cataloging-in-Publication Data

Names: Edgar, Walter B., 1943- editor.

Title: 101 people & places that shaped the American Revolution in South Carolina / edited by Walter Edgar.

Other titles: One hundred and one people & places that shaped the American Revolution in South Carolina

Description: Columbia, South Carolina : University of South Carolina Press, [2021] | Based on: The South Carolina Encyclopedia Guide to the American Revolution in South Carolina / edited by Walter Edgar. Columbia : University of South Carolina Press, 2012. | Includes bibliographical references.

Identifiers: LCCN 2021029649 (print) | LCCN 2021029649 (ebook) | ISBN 9781643362274 (hardcover) | ISBN 9781643362281 (paperback) | ISBN 9781643362298 (ebook)

Subjects: LCSH: South Carolina--History--Revolution, 1775-1783. | BISAC: HISTORY / United States / Revolutionary Period (1775-1800) | SOCIAL SCIENCE / Regional Studies

Classification: LCC E263.S7 A14 2021 (print) | LCC E263.S7 (ebook) | DDC 975.7/03--dc23

LC record available at <https://lccn.loc.gov/2021029649>

LC ebook record available at <https://lccn.loc.gov/2021029650>



MSC

- Mathematics Subject Classification
- Maintained by zbMath Open and Mathematical Reviews (AMS)
- 64 mathematical disciplines
- Alphanumeric structure
- Primary and secondary classifications appear on publications, e.g.
MSC Primary 03C90; Secondary 03-02



THE FIRST RESOURCE FOR MATHEMATICS



Do you have Mathematics Subject Classification codes to enter?*

Yes

No

MSC Codes*

Please enter MSC codes here...

≡ Code	≡ Level	≡ Subject
<u>11B99</u>	T	None of the above, but in this section
<u>11Bxx</u>	S	Sequences and sets
<u>11C08</u>	T	Polynomials [See also 13F20]
<u>11C20</u>	T	Matrices, determinants [See also 15B36]
<u>11C99</u>	T	None of the above, but in this section
<u>11Cx</u>	S	Polynomials and matrices
<u>11D04</u>	T	Linear equations
<u>11D07</u>	T	The Frobenius problem
<u>11D09</u>	T	Quadratic and bilinear equations
<u>11D25</u>	T	Cubic and quartic equations
<u>11D41</u>	T	Higher degree equations; Fermat's equation
<u>11D45</u>	T	Counting solutions of Diophantine equations
<u>11D57</u>	T	Multiplicative and norm form equations
<u>11D59</u>	T	Thue-Mahler equations

≡ Title	≡ LCCN	≡ MSC Codes	≡ MSC Subjects
Sampling in Combinatorial and Geometric ...	2021040893	68Q87, 52C45, 05D40, 03D32, 11K38	Computer science {For papers involving m...
Partial Differential Equations	2021040894	35Axx, 35Cxx, 35Dxx, 35Exx, 35Fxx, 35Jxx...	Partial differential equations -- Genera...
Basic Lessons on Isometries, Similarities, and Congruences	2021039757	51XX, 97-02, 52XX	Mathematics education -- Research exposi...
The Geometry and Topology of Three-Manifolds	2021037702	57K32, 57R30, 53C15	Manifolds and cell complexes {For comple...
Collected Works of William P. Thurston with Commentary by John W. Morgan, Michael Shub, and Curtis T. McMullen	2021037684	57K20, 57R30, 57K32, 53C15, 20F65, 20F10...	Manifolds and cell complexes {For comple...
Arithmetical, Geometrical and Combinatorial Problems	2021037681	00A08	General -- General and miscellaneous spe...
The Number Line through Guided Inquiry	2021034782	97E50, 97F50, 97I99, 01A65	Mathematics education -- Foundations of ...
Automorphisms of Riemann Surfaces, Subgroups, and Related Topics	2021029308	30Fxx, 14Hxx, 20H10, 20B25, 11G32, 57K20	Functions of a complex variable {For ana...



084		a 97E50 a 97F50 a 97I99 a 01A65 2 msc
100	1	a Clark, David Michael, d 1947- e author.
245	1 4	a The number line through guided inquiry / c David M. Clark, Xiao Xiao.
263		a 2111
264	1	a Providence : b American Mathematical Society, c 2021.
300		a pages cm
336		a text b txt 2 rdacontent
337		a unmediated b n 2 rdamedia
338		a volume b nc 2 rdacarrier
490	0	a Ams/maa textbooks, x 25771205 ; v 69
504		a Includes bibliographical references and index.
650	7	a Mathematics education -- Foundations of mathematics -- Reasoning and proving in the mathematics classroom. 2 msc
650	7	a Mathematics education -- Arithmetic, number theory -- Real numbers, complex numbers. 2 msc
650	7	a Mathematics education -- Analysis -- None of the above, but in this section. 2 msc
650	7	a History and biography [See also the classification number--03 in the other sections] -- History of mathematics and mathematicians -- Contemporary. 2 msc
700	1	a Xiao, Xiao, d 1983- e author.

CIP Bib Record using MSC

010 †a 2014029814
020 †a 9780821898598 (pbk. : acid-free paper)
020 †a 0821898590 (pbk. : acid-free paper)
040 †a DLC †b eng †c DLC †e rda †d DLC
042 †a pcc
050 0 0 †a QA176 †b .A454 2015
082 0 0 †a 652/.8015122 ‡2 23
084 †a 20-XX †a 68-XX ‡2 msc 
245 0 0 †a Algorithmic problems of group theory, their complexity, and applications to cryptography / †c Delaram Kahrobaei, Vladimir Shpilrain, editors.
264 1 †a Providence, Rhode Island : †b American Mathematical Society, †c [2015]
300 †a vii, 123 pages ; †c 26 cm.
336 †a text ‡2 rdacontent
337 †a unmediated ‡2 rdamedia
338 †a volume ‡2 rdacarrier
490 0 †a Contemporary mathematics ; †v 633
500 †a "AMS Special Session on Algorithmic Problems of Group Theory and Their Complexity, January 9-10, 2013, San Diego, CA."
500 †a "AMS Special Session on Algorithmic Problems of Group Theory and Applications to Information Security, April 6-7, 2013, Boston College, Chestnut Hill, MA."
504 †a Includes bibliographical references.
650 0 †a Group theory ‡v Congresses. 
650 0 †a Noncommutative algebras ‡v Congresses.
650 0 †a Algorithms ‡v Congresses.
650 0 †a Cryptography ‡v Congresses.
650 0 †a Data encryption (Computer science) ‡v Congresses.
650 0 †a Algebra ‡v Congresses.
650 7 †a Group theory and generalizations. ‡2 msc 
650 7 †a Computer science. ‡2 msc
700 1 †a Kahrobaei, Delaram, †d 1975- †e editor.
700 1 †a Shpilrain, Vladimir, †d 1960- †e editor.

Library of Congress Cataloging-in-Publication Data

Names: Kendig, Keith, 1938- author.

Title: A gateway to number theory : applying the power of algebraic curves / Keith Kendig.

Description: Providence : American Mathematical Society, [2021] | Series: Dolciani mathematical expositions; volume 57 | Includes bibliographical references and index.

Identifiers: LCCN 2020052775 | ISBN 9781470456221 (paperback) | ISBN 9781470465025 (ebook)

Subjects: LCSH: Diophantine equations. | Curves, Algebraic. | Number theory. | AMS: Number theory. | Number theory -- Instructional exposition (textbooks, tutorial papers, etc.). | Number theory -- Diophantine equations [See also 11Gxx, 14Gxx] -- Linear equations. | Number theory -- Diophantine equations [See also 11Gxx, 14Gxx] -- Quadratic and bilinear equations. | Number theory -- Diophantine equations [See also 11Gxx, 14Gxx] -- Cubic and quartic equations. | Number theory -- Arithmetic algebraic geometry (Diophantine geometry) [See also 11Dxx, 14Gxx, 14Kxx] -- Elliptic curves over global fields [See also 14H52]. | Algebraic geometry -- Curves -- Special curves and curves of low genus. | Algebraic geometry -- Curves -- Elliptic curves [See also 11G05, 11G07, 14Kxx].



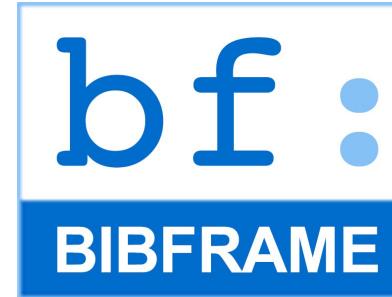
Classification: LCC QA242 .K46 2021 | DDC 512.7/4--dc23

LC record available at <https://lccn.loc.gov/2020052775>

CHALLENGES

- 3 different schemas ingested
 - JSON for subject routing
 - XML for ONIX
 - Excel tables for BISAC and MSC
- Keeping the code lists updated
 - BISAC is updated annually
 - MSC is updated every 10 years
 - Decisions: keep the old and just add new or check for outdated and new?
- PPBL is fully Unicode compliant but ILS/Voyager accepts tiny fraction of Unicode
- Mapping to correct MARC fields and subfields
- Mapping to accurate field with display in CIP data block

- Not planning to update PPBL to create BF descriptions....yet....
- New/updated bibs migrating from Voyager to BFDB every 5 minutes
 - Cataloger creates stub CIP record in PPBL and waits 5 minutes
 - Cataloger completes cataloging in BFDB using the BF Editor
 - Cataloger completes the cataloging in Voyager
- When the Library changes to a new ILS, then update PPBL



Thank you!

csus@loc.gov