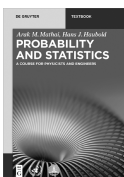


Micah Warren

Bitcoin: A Game-Theoretic Analysis

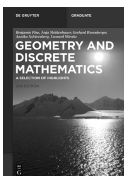
Also of Interest



Probability and Statistics. A Course for Physicists and Engineers

Arak M. Mathai, Hans J. Haubold, 2017

ISBN 978-3-11-056253-8, e-ISBN (PDF) 978-3-11-056254-5,
e-ISBN (EPUB) 978-3-11-056260-6



Geometry and Discrete Mathematics. A Selection of Highlights

Benjamin Fine, Anja Moldenhauer, Gerhard Rosenberger, Annika Schürenberg, Leonard Wienke, 2022

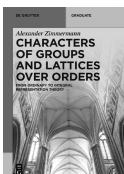
ISBN 978-3-11-074077-6, e-ISBN (PDF) 978-3-11-074078-3,
e-ISBN (EPUB) 978-3-11-074093-6



Game Theory and Partial Differential Equations

Pablo Blanc, Julio Daniel Rossi, 2019

ISBN 978-3-11-061925-6, e-ISBN (PDF) 978-3-11-062179-2,
e-ISBN (EPUB) 978-3-11-061932-4



Characters of Groups and Lattices over Orders. From Ordinary to Integral Representation Theory

Alexander Zimmermann, 2022

ISBN 978-3-11-070243-9, e-ISBN (PDF) 978-3-11-070244-6,
e-ISBN (EPUB) 978-3-11-070255-2



Blockchain. Technology and Applications for Industry 4.0, Smart Energy, and Smart Cities

Matevž Pustišek, Nataša Živić, Andrej Kos, 2021

ISBN 978-3-11-068112-3, e-ISBN (PDF) 978-3-11-068113-0,
e-ISBN (EPUB) 978-3-11-068120-8

Micah Warren

Bitcoin: A Game-Theoretic Analysis

DE GRUYTER

Mathematics Subject Classification 2020

Primary: 68M14, 91A80, 91A60; Secondary: 91A15, 91A10, 91A12, 91D30, 91A28, 91B50, 68W15, 60C05, 60F05, 65L12, 60J20, 60G40, 37N40

Author

Prof. Micah Warren
University of Oregon
Department of Mathematics
318 Fenton Hall
Eugene OR 97403
USA
micahw@uoregon.edu;
<https://indieweb.social/@micah>

ISBN 978-3-11-077283-8

e-ISBN (PDF) 978-3-11-077284-5

e-ISBN (EPUB) 978-3-11-077305-7

Library of Congress Control Number: 2022950649

Bibliographic information published by the Deutsche Nationalbibliothek

The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie;
detailed bibliographic data are available on the Internet at <http://dnb.dnb.de>.

© 2023 Walter de Gruyter GmbH, Berlin/Boston

Cover image: Vertigo3d / iStock / Getty Images Plus

Typesetting: VTeX UAB, Lithuania

Printing and binding: CPI books GmbH, Leck

www.degruyter.com