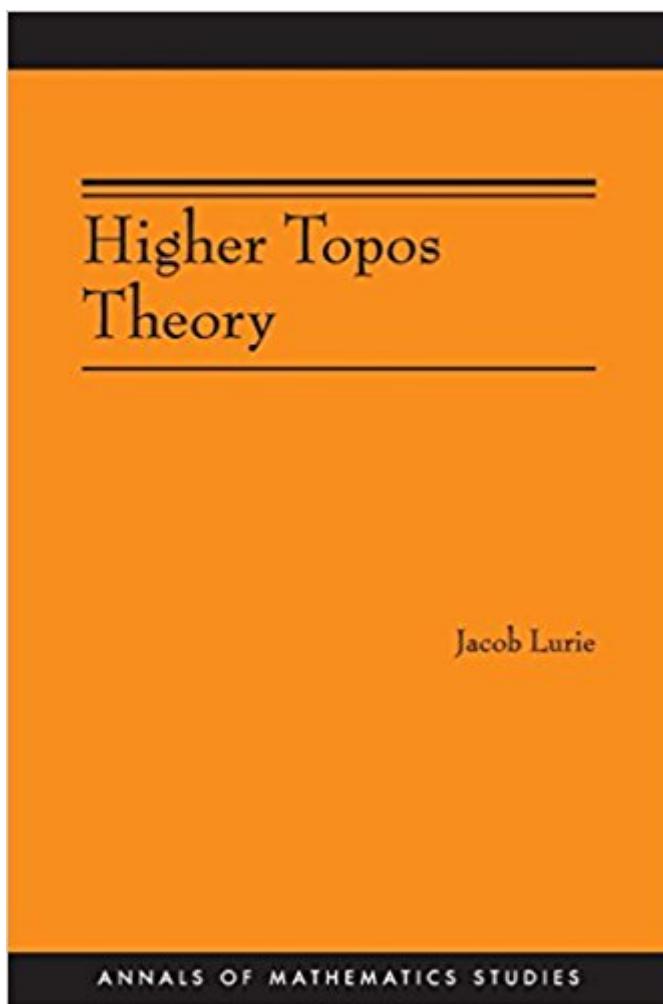


The book was found

Higher Topos Theory (AM-170) (Annals Of Mathematics Studies)



Synopsis

Higher category theory is generally regarded as technical and forbidding, but part of it is considerably more tractable: the theory of infinity-categories, higher categories in which all higher morphisms are assumed to be invertible. In *Higher Topos Theory*, Jacob Lurie presents the foundations of this theory, using the language of weak Kan complexes introduced by Boardman and Vogt, and shows how existing theorems in algebraic topology can be reformulated and generalized in the theory's new language. The result is a powerful theory with applications in many areas of mathematics. The book's first five chapters give an exposition of the theory of infinity-categories that emphasizes their role as a generalization of ordinary categories. Many of the fundamental ideas from classical category theory are generalized to the infinity-categorical setting, such as limits and colimits, adjoint functors, ind-objects and pro-objects, locally accessible and presentable categories, Grothendieck fibrations, presheaves, and Yoneda's lemma. A sixth chapter presents an infinity-categorical version of the theory of Grothendieck topoi, introducing the notion of an infinity-topos, an infinity-category that resembles the infinity-category of topological spaces in the sense that it satisfies certain axioms that codify some of the basic principles of algebraic topology. A seventh and final chapter presents applications that illustrate connections between the theory of higher topoi and ideas from classical topology.

Book Information

Series: Annals of Mathematics Studies (Book 170)

Paperback: 944 pages

Publisher: Princeton University Press (July 26, 2009)

Language: English

ISBN-10: 0691140499

ISBN-13: 978-0691140490

Product Dimensions: 6.1 x 1.9 x 9.2 inches

Shipping Weight: 2.9 pounds (View shipping rates and policies)

Average Customer Review: 2.9 out of 5 stars 2 customer reviews

Best Sellers Rank: #728,288 in Books (See Top 100 in Books) #141 in Books > Science & Math > Mathematics > Pure Mathematics > Algebra > Abstract #156 in Books > Science & Math > Mathematics > Geometry & Topology > Topology #2049 in Books > Textbooks > Science & Mathematics > Mathematics > Algebra & Trigonometry

Customer Reviews

"This book is a remarkable achievement, and the reviewer thinks it marks the beginning of a major change in algebraic topology."--Mark Hovey, Mathematical Reviews

Jacob Lurie is associate professor of mathematics at Massachusetts Institute of Technology.

This textbook has set itself up to become the analog of MacLane's "Categories for the Working Mathematician" for Higher Category Theory - the definitive text source for the subject. Higher category versions of Limits, Adjoints, Kan Extensions, etc. are treated, all leading up to the development of higher versions of Grothendieck's Topoi. A must for any budding categorical mathematician's library.

\$2,400 for a book. No f'n thank you. You must be into higher math if you're high enough to spend that much money on a BOOK.

[Download to continue reading...](#)

Higher Topos Theory (AM-170) (Annals of Mathematics Studies) Random Fourier Series with Applications to Harmonic Analysis. (AM-101), Volume 101 (Annals of Mathematics Studies) Hypoelliptic Laplacian and Orbital Integrals (AM-177) (Annals of Mathematics Studies) Hölder Continuous Euler Flows in Three Dimensions with Compact Support in Time (Annals of Mathematics Studies) 170 Foundation Studies for Violoncello, Vol. 1 Measure Theory (The University Series in Higher Mathematics) Conflict Management and Dialogue in Higher Education: A Global Perspective (International Higher Education) Top25 Best Sale - Higher Price in Auction - January 2013 - Vintage Pinball (Top25 Best Sale Higher Price in Auction Book 21) Channeling Your Higher Self: A Practical Method to Tap into Higher Wisdom and Creativity World List of Universities, 25th Edition: And Other Institutions of Higher Education (World List of Universities & Other Institutions of Higher Education) Higher and Higher: Making Jewish Prayer Part of Us Reforming The Higher Education Curriculum: Internationalizing The Campus (American Council on Education Oryx Press Series on Higher Education) Emergence of the Theory of Lie Groups: An Essay in the History of Mathematics 1869â "1926 (Sources and Studies in the History of Mathematics and Physical Sciences) Dot Grid Paper Notebook: Watercolor Circles: 7.5 x 9.5 Dot Grid Journal, 170 Pages (Dot Notebooks) A VISUAL COURSE OF MODELLING TECHNIQUES: 170 pictures showing how to model bas-reliefs and high-reliefs The Farmhouse Country Cookbook: 170 Traditional Recipes Shown In 580 Evocative Step-By-Step Photographs Spoonfuls of Germany: Culinary Delights of the German Regions in 170 Recipes (Hippocrene Cookbook Library) Classic

Lebanese Cuisine: 170 Fresh And Healthy Mediterranean Favorites The Best Grain-Free Family Meals on the Planet: Make Grain-Free Breakfasts, Lunches, and Dinners Your Whole Family Will Love with More Than 170 Delicious Recipes (Best on the Planet) The Best Grain-Free Family Meals on the Planet: Make Grain-Free Breakfasts, Lunches, and Dinners Your Whole Family Will Love with More Than 170 Delicious Recipes

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)