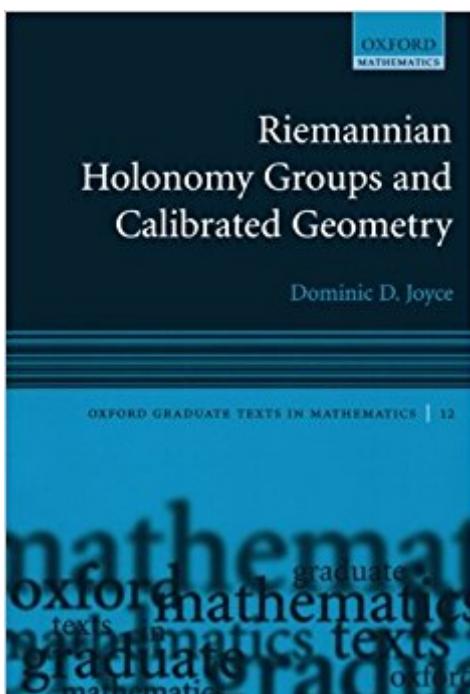


The book was found

# Riemannian Holonomy Groups And Calibrated Geometry (Oxford Graduate Texts In Mathematics)



## Synopsis

This graduate level text covers an exciting and active area of research at the crossroads of several different fields in Mathematics and Physics. In Mathematics it involves Differential Geometry, Complex Algebraic Geometry, Symplectic Geometry, and in Physics String Theory and Mirror Symmetry. Drawing extensively on the author's previous work, the text explains the advanced mathematics involved simply and clearly to both mathematicians and physicists. Starting with the basic geometry of connections, curvature, complex and Kähler structures suitable for beginning graduate students, the text covers seminal results such as Yau's proof of the Calabi Conjecture, and takes the reader all the way to the frontiers of current research in calibrated geometry, giving many open problems.

## Book Information

Series: Oxford Graduate Texts in Mathematics (Book 12)

Paperback: 320 pages

Publisher: Oxford University Press; n edition (May 3, 2007)

Language: English

ISBN-10: 0199215596

ISBN-13: 978-0199215591

Product Dimensions: 9.1 x 0.5 x 6.1 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,441,388 in Books (See Top 100 in Books) #54 in Books > Science & Math > Mathematics > Geometry & Topology > Non-Euclidean Geometries #174 in Books > Science & Math > Mathematics > Geometry & Topology > Analytic Geometry #339 in Books > Science & Math > Mathematics > Geometry & Topology > Topology

## Customer Reviews

This graduate level text covers an exciting and active area of research at the crossroads of several different fields in mathematics and physics. \* L'enseignement Mathematique \* --This text refers to the Hardcover edition.

Dominic Joyce came up to Oxford University in 1986 to read Mathematics. He held an E.P.S.R.C. Advanced Research Fellowship from 2001-2006, was recently promoted to professor, and now leads a research group in Homological Mirror Symmetry. His main research areas so far have been

compact manifolds with the exceptional holonomy groups  $G_2$  and  $Spin(7)$ , and special Lagrangian submanifolds, a kind of calibrated submanifold. He is married, with two daughters.

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

Riemannian Holonomy Groups and Calibrated Geometry (Oxford Graduate Texts in Mathematics) Modern Geometry • Methods and Applications: Part I: The Geometry of Surfaces, Transformation Groups, and Fields (Graduate Texts in Mathematics) (Pt. 1) The Geometry of Discrete Groups (Graduate Texts in Mathematics) First Steps in Differential Geometry: Riemannian, Contact, Symplectic (Undergraduate Texts in Mathematics) The Mathematical Theory of Symmetry in Solids: Representation Theory for Point Groups and Space Groups (Oxford Classic Texts in the Physical Sciences) Lie Groups, Lie Algebras, and Representations: An Elementary Introduction (Graduate Texts in Mathematics) Foundations of Differentiable Manifolds and Lie Groups (Graduate Texts in Mathematics) (v. 94) Foundations of Differentiable Manifolds and Lie Groups (Graduate Texts in Mathematics) Eigenvalues in Riemannian Geometry (Pure and Applied Mathematics) Combinatorics of Coxeter Groups (Graduate Texts in Mathematics) A Course in the Theory of Groups (Graduate Texts in Mathematics, Vol. 80) An Introduction to the Theory of Groups (Graduate Texts in Mathematics) Groups and Symmetries: From Finite Groups to Lie Groups (Universitext) Differential Geometry: Connections, Curvature, and Characteristic Classes (Graduate Texts in Mathematics) Topology and Geometry (Graduate Texts in Mathematics) Commutative Algebra: with a View Toward Algebraic Geometry (Graduate Texts in Mathematics) Algebraic Geometry (Graduate Texts in Mathematics) Algebraic Geometry: A First Course (Graduate Texts in Mathematics) (v. 133) The Geometry of Schemes (Graduate Texts in Mathematics) Lectures on Discrete Geometry (Graduate Texts in Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)