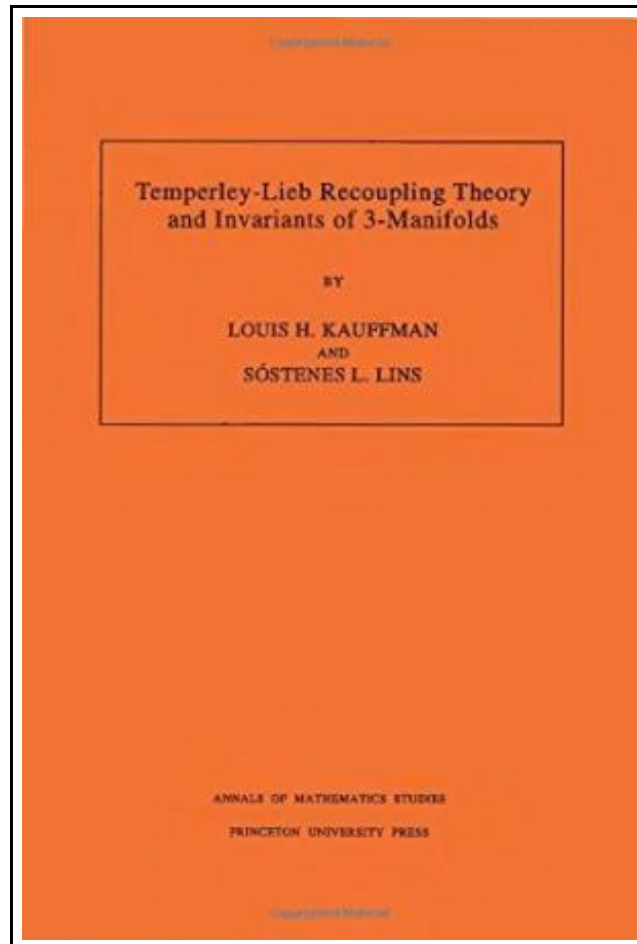


# Temperley-Lieb Recoupling Theory and Invariants of 3-Manifolds



Filesize: 3.13 MB

## ***Reviews***

*Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.*

***(Kade Ankunding)***

## TEMPERLEY-LIEB RECOUPLING THEORY AND INVARIANTS OF 3-MANIFOLDS

DOWNLOAD



To read **Temperley-Lieb Recoupling Theory and Invariants of 3-Manifolds** PDF, you should follow the button below and save the file or gain access to other information which are related to TEMPERLEY-LIEB RECOUPLING THEORY AND INVARIANTS OF 3-MANIFOLDS ebook.

Princeton University Press, United States, 1994. Paperback. Book Condition: New. New.. 231 x 155 mm. Language: English . Brand New Book. This book offers a self-contained account of the 3-manifold invariants arising from the original Jones polynomial. These are the Witten-Reshetikhin-Turaev and the Turaev-Viro invariants. Starting from the Kauffman bracket model for the Jones polynomial and the diagrammatic Temperley-Lieb algebra, higher-order polynomial invariants of links are constructed and combined to form the 3-manifold invariants. The methods in this book are based on a recoupling theory for the Temperley-Lieb algebra. This recoupling theory is a  $q$ -deformation of the  $SU(2)$  spin networks of Roger Penrose. The recoupling theory is developed in a purely combinatorial and elementary manner. Calculations are based on a reformulation of the Kirillov-Reshetikhin shadow world, leading to expressions for all the invariants in terms of state summations on 2-cell complexes. Extensive tables of the invariants are included. Manifolds in these tables are recognized by surgery presentations and by means of 3-gems (graph encoded 3-manifolds) in an approach pioneered by Sostenes Lins. The appendices include information about gems, examples of distinct manifolds with the same invariants, and applications to the Turaev-Viro invariant and to the Crane-Yetter invariant of 4-manifolds.



[Read Temperley-Lieb Recoupling Theory and Invariants of 3-Manifolds Online](#)



[Download PDF Temperley-Lieb Recoupling Theory and Invariants of 3-Manifolds](#)

## You May Also Like



### [PDF] Readers Clubhouse Set B Safe Streets

Click the web link under to download and read "Readers Clubhouse Set B Safe Streets" document.

[Save PDF »](#)



### [PDF] The Frog Tells Her Side of the Story: Hey God, I m Having an Awful Vacation in Egypt Thanks to Moses! (Hardback)

Click the web link under to download and read "The Frog Tells Her Side of the Story: Hey God, I m Having an Awful Vacation in Egypt Thanks to Moses! (Hardback)" document.

[Save PDF »](#)



### [PDF] Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Click the web link under to download and read "Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" document.

[Save PDF »](#)



### [PDF] Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Click the web link under to download and read "Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]" document.

[Save PDF »](#)



### [PDF] Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book

Click the web link under to download and read "Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book" document.

[Save PDF »](#)



### [PDF] Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook

Click the web link under to download and read "Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook" document.

[Save PDF »](#)