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Herbert Wagner In 1966. For The BEC Phase Transit Jan 9th, 2024

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Topological Order In Quantum Matter

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Angle-dependent Quantum Oscillations In YPtBi (T = 2 K) 4 6 8 10 12 14 0 10 20 30 40 0° 30 Feb 13th, 2024

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Fusion Rules And Fusion Categories 41 4.2. Graphical Calculus Of RFCs 44 4.3. Unitary Fusion Categories 48 4.4. Link And 3-manifold Invariants 49 ... This Book Expands The Plan Of The Author's 2008 NSF-CBMS Lectures On Knots And Topological Quantum Computing, And Is Intended As A Primer F Apr 3th, 2024

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When They Are Not, For More Complicated Knots, It Becomes Extremely Di Cult. (Maybe Give An Example?) A Knot Invariant Is A Mapping From A Knot (or A Picture Of A Knot) To An Output Via A Set Of Rules. The Rules Must Be Cooked Up In Such A Way That Two T Mar 7th, 2024

A Topological Look At The Quantum Hall Effect

Laughlin Considered A 2D Electron Gas Cold Enough So That Quantum Coherence Holds Throughout. It Is Then Meaningful To Speak Of A Wavefunction Describing The Sys-tem And Its Hamiltonian Evolution. Laughlin Looked At The Hall Effect As A Quantum Pump. He Imagined The Electron Gas Confined To A Looped Ribbon, As

Shown In Figure 3, With Jan 3th, 2024

A Symmetry Principle For Topological Quantum Order

Mermin-Wagner Theorem: A Continuous Symmetry Cannot Be Spontaneously Broken At Any finite Temperature In One Or T Feb 15th, 2024

Photoemission Investigation Of Topological Quantum Materials

2. Where Purple Spheres Are Bi Atoms And Blue Spheres Are Pd Atoms (b) Momentum Path In The 5 1 1 Supercell Used For DFT Calculations Of A-PdBi. 2. (c) Temperature Dependent Resistivity Measurements. (d) Core Level Spectrum (e) 5 1 1 Supercell Used For Theoretical DFT Calculations. 24 Vii Apr 7th, 2024

Asymptotically Optimal Topological Quantum Compiling

Braid Pattern, Its Entries Must Come From A Certain Ring Of Algebraic Integers. For That Reason The Approximation Step Is The Most Involved Part Of The Algorithm. It Consists Of Two Stages: In The first Stage, We find An Algebraic Number That Is In ϵ -proximity To One Of The Elements Of The Input Unit Apr 11th, 2024

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For Yoneda Embedding $F(\wedge^2) \rightarrow \text{FUNK}(F(\wedge^2), \text{ch})$ To Work, We Need More Homological Algebra. $\mathcal{F}(\Sigma_2)$ The Space Of Morphisms Is Not Floer Homology Group But A Chain Complex Which Defines Floer Homology. Composition Of Morphism Is Associative Onl Feb 12th, 2024

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