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This Appendix Is To Compile The Definitions, Notations, And Facts Of Linear Algebra That Are Important For This Book. This Appendix Also Serves As A Quick Reference For The Main Operations in Vector Spaces, For Instance, The inner And 2th, 2024 Topological Quantum Computation Zhenghan Wang 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 3th, 2024. Quantum Computation Of Fluid Dynamics Quantum Particle System Is Termed A Quantum Lattice Gas And The Associated Quantum Computer Network Is Called A Lattice-gas Quantum Computer. Over A Decade Ago, Classical Lattice Gases Were Found That Behave Like A Vis-cous Navier-Stokes fluid At The Macroscopic Scale [1, 2]. In This Paper We Show That A Quantum Lattice Gas Does Too. 2th, 2024

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