

Storage and Data Management for Quantum Computing

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Multiverse of Data and Storage

- Ordinary Framework
 - Space
 - Time
 - Non-Euclidean Manifolds
 - Non-Analytic Curvature
 - Systems of Open Geodesics
 - Kernels
 - Murphy's Law

Multiverse of Data and Storage

- High Speeds Involved
 - Space-time
 - Generalized Lorentzian
 - Hyperbolicity
 - Null Geodesics
 - Incomplete Geodesics
 - Closed Time-like curves

Storage Structure

- Smooth/Non-Smooth Surface
- Regression of Interlocking
- Continuation
 - Contraction/Extension
 - Singularity
 - Poles
- Chaos
 - Fixed Points
 - Initial Conditions
 - Bifurcation
 - Prediction

Storage Structure

- Causal Structures
 - Time-like curves
 - Space-like curves
 - Light Cone

Storage Objects

- Smooth Objects
- Knots
- Fractal
- Branches
- Strips
- Paths
- Curves
- Segments

Storage Objects

- Images
- Fabrics
- Events/Event Horizons
- End Points
- Null Geodesics
- Boundaries
- Generators
- Regions
- Bottles

Storage Dimensionality

- Side
- Surface
 - Whole
 - Fractional
- Edge
- Capacity
 - Length
 - Area
 - Volume
- Minkowski Space

Operations

- Partition
- Write
- Erase
- Read
- Space-Filling
- Filing
- Scatter
- Overlap
- Shift

Operations

- Walk
- Loading
- Emission
- Propagation, Transmission
- Interference
- Diffraction
- Radiation
- Decoherence
- Cancel

Information

- Algebraic
 - Hard to Determine Equation
 - Possible to Parametrize
 - Hopf Algebras
- Geometric
 - Symmetric Groups
 - Hard to Virtualize

Computation

- Forward Recurrence
- Backward Recurrence
- Forward Series Recurrence
- Eigenvalues of Finite Tridiagonal Matrices