```
The General Derivative          Zermelo-Fraenkel Set Theory          Definitions for Commutative Algebra          The Homology of Regions in R^n          Monads, Categories, and Computation
        │                                    │                          │          ╲
        ▼                                    ▼                          │           ╲
Integration in Real Vector Spaces    Definitions for Category Theory ◄──┘     Definitions for Classical Algebraic Geometry
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        ▼                                                                               ▼
Calculus over the Complex Numbers                                          Definitions for Scheme Theory
       ╱        ╲
      ▼          ▼
The Inverse and Implicit     Complex Charts on Topological Surfaces
Mapping Theorems                    │            │
      │         ╲                   │            │
      ▼          ╲─────────────────►▼            ▼
Holomorphic Maps Between Riemann Surfaces    The Notation dz Bar in Complex Analysis
      │
      ▼
The Riemann-Roch Theorem
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- The General Derivative → Integration in Real Vector Spaces → Calculus over the Complex Numbers
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- Definitions for Commutative Algebra → Definitions for Category Theory
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