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Nota di contenuto	Semantic Unification: A Sheaf Theoretic Approach to Natural Language -- On Residuation -- Type Similarity for the Lambek-Grishin Calculus Revisited -- NP-Completeness of Grammars Based Upon Products of Free Pregroups -- Distributional Semantics: A Montagovian View -- A Logical Basis for Quantum Evolution and Entanglement -- Learning Lambek Grammars from Proof Frames -- Multi-Sorted Residuation -- Italian Clitic Patterns in Pregroup Grammar: State of the Art -- On Associative Lambek Calculus Extended with Basic Proper Axioms -- Classical Structures Based on Unitaries -- Initial Algebras of Terms with Binding and Algebraic Structure -- Abstract Tensor Systems as Monoidal Categories -- On Canonical Embeddings of Residuated Groupoids -- L-Completeness of the Lambek Calculus with the Reversal Operation Allowing Empty Antecedents -- A Note on Multidimensional Dyck Languages -- Extended Lambek Calculi and

First-Order Linear Logic -- A Categorical Type Logic -- Chasing  
Diagrams in Cryptography -- The Monotone Lambek Calculus Is NP-  
Complete -- A Mathematical Analysis of Masaccio's Trinity -- Conjoin  
ability in 1-Discontinuous Lambek Calculus -- The Hidden Structural  
Rules of the Discontinuous Lambek Calculus.

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Sommario/riassunto

For more than 60 years, Jim Lambek has been a profoundly  
inspirational mathematician, with groundbreaking contributions to  
algebra, category theory, linguistics, theoretical physics, logic and  
proof theory. This Festschrift was put together on the occasion of his  
90th birthday. The papers in it give a good picture of the multiple  
research areas where the impact of Jim Lambek's work can be felt. The  
volume includes contributions by prominent researchers and by their  
students, showing how Jim Lambek's ideas keep inspiring upcoming  
generations of scholars.

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