

Curriculum Vitae

Marcel Tonio Erné

Local and date of birth August 6, 1947, Altenmarkt, Germany

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Academic degrees	University	Year	Title of thesis
Universitätsprofessor (tenure)	University of Hannover	1990	
Vis. Professor	TH Darmstadt	1989	
Vis. Associate Professor	University of Toledo	1988	
APL Professor	University of Hannover	1986	
Professor (temp.)	University of Hannover	1981	
Habilitation (in Mathematics)	University of Hannover	1979	(1)
Dr. rer. nat. (Ph. D.)	University of Münster	1972	(2)
Diploma in Mathematics	University of München	1970	(3)

(1) Endliche Topologien

(2) Struktur- und Anzahlformeln für Topologien auf endlichen Mengen

(3) Verallgemeinerungen der Verbandstheorie: m -Ideale in geordneten Mengen und Hüllenräumen

Position: Professor at the Leibniz University Hannover,
Institute for Algebra, Number Theory and Discrete Mathematics

Principal research areas:

Order theory with applications in topology, algebra and computer science

Topological structures, categorical topology

Universal and categorical algebra

Combinatorics

Set theory

Current research topics:

Galois connections, Formal Concept Analysis

Dualities between categories of ordered and topological structures

Generalizations of continuous ordered sets and their topologies

Pointfree topology, infinite distributive laws

Distance functions and quasi-uniform spaces

Ideal and radical theory in general algebras, spectral topologies

Lattices of substructures and congruences

Combinatorics of finite ordered structures

Choice principles in order theory, topology and algebra