

Abbreviated CV

Dev K. Roy

Department of Mathematics
Florida International University
Miami, FL 33199

Education: Ph.D., Mathematics, University of Rochester 1980
B.Sc. Mathematics Honours, Indian Institute of
Technology

Research interests: Recursive function theory and Logic

Research publications:

R.e. presented linear orders, Journal of Symbolic Logic vol. 48,
no. 2 (1983)

Linear order types of nonrecursive presentability, Zeitschrift
fur Mathematische Logik und Grundlagen der Mathematik vol. 31
(1985)

Finite condensations of recursive linear orders, (R. Watnick
joint author), Studia Logica vol. 47 (1988)

Effective extensions of partial orders, Zeitschrift fur
Mathematische Logik und Grundlagen der Mathematik vol. 36 (1990)

Recursive versus recursively enumerable binary relations, Studia
Logica vol. 52, no. 4 (1993)

On Berry's paradox and non-diagonal constructions, Complexity
vol. 4 no. 3 (1999)

The shortest definition of a number in Peano arithmetic,
Mathematical Logic Quarterly vol. 49 no. 1 (2003)

Some abstracts and conference papers:

Linear orders from recursively enumerable preorders (JSL
abstract)

The ritual killing of quantifiers: a theorem on representations
(JSL abstract)

Hierarchies of linear orders, invited talk at MAA meeting 1983

Open problems in recursive model theory, Southeastern Logic
Symposium 1985

Teaching and course development: Discrete Mathematics, Theory of Algorithms, Theory of Computation, Calculus I and II, Multivariable Calculus, Linear Algebra, Mathematical Logic, Combinatorics, Geometry, Graph Theory, independent study etc.

Professional service: Various department committees, department chairman 1987-94, various college and university committees, faculty senate and senate committees, NSF expert reviewer, Ph.D. and Master's committees.