Spring Lecture Series N.24
Complex Dynamics (1999)

Principal Lecturers: John Milnor (SUNY at Stony Brook) with Mikhail Lyubich (SUNY at Stony Brook) and John Smillie (Cornell University)

Contributions by:

John Milnor

Title: Renormalization and the "Hairiness" Conjectures, and Introduction

Linda Keen

Title: Coverings of Cantor Sets

Mariusz Urbanski

Title: The Rigidity of Tame Rational Functions

Mikhail Lyubich

Title: Feigenbaum Universality and Holomorphic Dynamics I

Berit Stensones

Title: Fatou-Bieberbach Domains and the Michael Problem

Kevin Pilgrim

Title: The Dictionary between Kleinian Groups and Rational Maps

Charles Favre

Title: Classification of Some Superattractive Germs and Kato Surfaces

John Smillie

Title: Horseshoes in the Henon Family I

Marco Abate

Title: Desingularizatin of Non-Semisimple Holomorphic Dynamical Systems

Mattias Johnsson

Title: On Saddle Sets in P^2

Anna Zdunik

Title: On Biaccessible Points in Julia Sets

Mikhail Lyubich

Title: Feigenbaum Universality and Holomorphic Dynamics II

David Brown

Title: Modifying the Spider Algorithm

Suzanne Lyinch

Title: The Medus Algorithm and Polynomial Mappings

Sudeb Mitra

Title: Universal Holomorphic Motions and Applications

Scott Crass

Title: Solving the Quintic by Iteration in Three Dimensions

Eugene Gutkin

Title: Fagnano Billiard Orbit and Extremal Polygons

Lawrence Harris

Title: Holomorphic Mappings of Domains in Matrix and Operator Spaces

John Smillie

Title: Horseshoes in the Henon Family II

Jeffrey Diller

Title: Lyapunov Exponents For Birational Maps

Eric Bedford

Title: Dynamics of Polynomila Diffeomorphisms of $\Bbb C^2$

Irina Popovici

Title: Uniform Hyperbolicity on Cycles Implies the Collect Eckmann Condition for Quadratic Polynomials

Rich Stankiewictz

Title: Uniformly Perfect Stes, Rational Semigroups Kleinian Groups and IFS's