Introduction to Differentiable Manifolds

LOUIS AUSLANDER

Department of Mathematics City University of New York

ROBERT E. MACKENZIE

Department of Mathematics Indiana University

Dover Publications, Inc., New York

Contents

Chapter 1	Euclidean, Affine, and Differentiable	
	Structure on R^*	1
Chapter 2	Differentiable Manifolds	24
Chapter 3	Projective Spaces and Projective	
	Algebraic Varieties	52
Chapter 4	The Tangent Bundle of a Differentiable	
	Manifold	71
Chapter 5	Submanifolds and Riemann Metrics	87
Chapter 6	The Whitney Imbedding Theorem	106
Chapter 7	Lie Groups and Their One-parameter	
	Sub-groups	117
Chapter 8	Integral Manifolds and Lie Subgroups	135
Chapter 9	Fiber Bundles	158
Chapter 10	Multilinear Algebra	186
References	CAS CON STANDARD BOOK AND A STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD S	213
Index		214