

Contents

Introduction	vii
Hitchin's Projectively Flat Connection, Toeplitz Operators and the Asymptotic Expansion of TQFT Curve Operators	1
JØRGEN ELLEGAARD ANDERSEN AND NIELS LETH GAMMELGAARD	
Koszul Cohomology and Applications to Moduli	25
MARIAN APRODU AND GAVRIL FARKAS	
Reider's Theorem and Thaddeus Pairs Revisited	51
DANIELE ARCARA AND AARON BERTRAM	
Intersection Pairings in Singular Moduli Spaces of Bundles	69
LISA JEFFREY	
The Beilinson-Drinfeld Grassmannian and Symplectic Knot Homology	81
JOEL KAMNITZER	
Arithmetic Aspects of Moduli Spaces of Sheaves on Curves	95
MAX LIEBLICH	
Existence of α -Stable Coherent Systems on Algebraic Curves	121
P. E. NEWSTEAD	
Regularity on Abelian Varieties III: Relationship with Generic Vanishing and Applications	141
GIUSEPPE PARESCHI AND MIHNEA POPA	
Vector Bundles on Reducible Curves and Applications	169
MONTSERRAT TEIXIDOR I BIGAS	