

1. Record Nr.	UNINA9910788854003321
Autore	Lehmkuhl Thomas
Titolo	Compactification of the Drinfeld modular surfaces // Thomas Lehmkuhl
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2009 ©2009
ISBN	1-4704-0527-X
Descrizione fisica	1 online resource (113 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; Number 921
Disciplina	512/.42
Soggetti	Drinfeld modules Deformations (Mechanics) Surfaces, Algebraic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"January 2009, volume 197, number 921 (third of 5 numbers)."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Contents""; ""Introduction""; ""Chapter 1. Line Bundles""; ""1. Basic notions""; ""2. Homomorphisms of line bundles""; ""3. Quotients""; ""4. The convergence lemma""; ""Chapter 2. Drinfeld Modules""; ""1. Analytical definition of Drinfeld modules""; ""2. The category of Drinfeld modules""; ""3. Drinfeld modules over fields""; ""4. Level structures""; ""5. Modular manifolds""; ""6. Pseudo-Drinfeld modules""; ""Chapter 3. Deformation Theory""; ""1. Deformations of Drinfeld modules""; ""2. Deformations of isogenies""; ""3. Deformations of level structures""; ""4. Smoothness of the moduli spaces""; ""5. Group action on the moduli space""; ""Chapter 4. Tate Uniformization""; ""1. Formal schemes""; ""2. Good and stable reduction""; ""3. Lattices and Tate data""; ""4. Group action""; ""Chapter 5. Compactification of the Modular Surfaces""; ""1. Formal representability of Tate data""; ""2. The universal Drinfeld module with bad reduction""; ""3. Algebraization""; ""Appendix""; ""A. Induced schemes""; ""B. Construction of coherent sheaves""; ""Bibliography""; ""Glossary of Notations""; ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""K""; ""L""; ""M""; ""P""; ""Q""; ""R""; ""S""; ""T""

