

1. Record Nr.	UNINA9910480643203321
Autore	Mochizuki Takuro <1972->
Titolo	Asymptotic behaviour of tame harmonic bundles and an application to pure twistor D-modules / / Takuro Mochizuki
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2007] ©2007
ISBN	1-4704-0474-5
Descrizione fisica	1 online resource (262 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 870
Disciplina	514.74
Soggetti	Hodge theory D-modules Vector bundles Harmonic maps Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""15.4. Relation of the filt rations of $C^{\text{""}}$""15.5. The characterization of $C^{\text{""}}$""Chapter 16. The Filtrations of $C[A^{\circ}[\text{sub}(t)]]^{\text{""}}$""16.1. The filtration $U[\text{sup}((l \gg [\text{sub}(0)]))]^{\text{""}}$""16.2. Preliminary reductions and decompositions""16.3. Primitive decomposition""16.4. The associated graded modules""16.5. Some decompositions for $I?[\text{sub}(t, u)]C[A^{\circ}[\text{sub}(t)]]^{\text{""}}$""Chapter 17. The Weight Filtration on $I?[\text{sub}(t, u)]$ and the Induced R-Triple""17.1. The weight filtration on $[\text{sup}(l)]L^{\text{""}}$""17.2. The filtration $F[\text{sup}((l \gg [\text{sub}(0)]))]$ and the weight filtration""17.3. Strict specializability along $Z[\text{sub}(i)] = 0^{\text{""}}$""17.4. Strict S-decomposability along $Z[\text{sub}(i)] = 0^{\text{""}}$""Chapter 18. The Sesqui-linear Pairings""18.1. The sesqui-linear pairing on $C^{\text{""}}$""18.2. The sesqui-linear pairing on the induced flat bundles""18.3. Preliminary for the calculation of the specialization""18.4. The specialization of the pairings""Chapter 19. Polarized Pure Twistor D-module and Tame Harmonic Bundles""19.1. Correspondence""19.2. The tameness of the corresponding harmonic bundle""19.3. The existence of the prolongment""

""19.4. The uniqueness of the prolongment""""19.5. The pure imaginary case""; ""19.6. The conjectures of Kashiwara and Sabbah""; ""Chapter 20. The Pure Twistor D-modules on a Smooth Curve (Appendix)""; ""20.1. Pure twistor D-module and tame harmonic bundle""; ""20.2. Twistor property for push-forward""; ""Part 5. Characterization of Semisimplicity by Tame Pure Imaginary Pluri-harmonic Metric""; ""Chapter 21. Preliminary""; ""21.1. Miscellaneous""; ""21.2. Elementary geometry of $GL(r)/U(r)$ ""; ""21.3. Maps associated to commuting tuple of endomorphisms"" ""21.4. Preliminary for harmonic maps and harmonic bundles"""" Chapter 22. Tame Pure Imaginary Harmonic Bundle""; ""22.1. Definition""; ""22.2. Tame pure imaginary harmonic bundle on a punctured disc""; ""22.3. Semisimplicity""; ""22.4. The maximum principle""; ""22.5. The uniqueness of tame pure imaginary pluri-harmonic metric""; ""Chapter 23. The Dirichlet Problem in the Punctured Disc Case""; ""23.1. The Dirichlet problem for a sequence of the boundary values""; ""23.2. Family version""; ""Chapter 24. Control of the Energy of Twisted Maps on a Kahler Surface"" ""24.1. Around smooth points of divisors""
