		doc_1		doc_2	decision	id
cases	authors	• Johannes Keller • Franz Luef	authors	• Johannes Keller • Franz Luef	DUPLICATES	6
	title	Polyanalytic Toeplitz Operators: Isomorphisms, Symbolic Calculus and Approximation of Weyl Operators	title	Polyanalytic Toeplitz operators: isomorphisms, symbolic calculus and approximation of Weyl operators		
	publication_date	2021-05-06 00:00:00	publication_date	2019-05-19 13:42:04+00:00		
	source	SupportedSources.INTERNET_ARCHIVE	source	SupportedSources.ARXIV		
	journal	Springer Science and Business Media LLC	journal	None		
	volume		volume			
	doi	10.1007/s00041-021-09843-0	doi			
	urls	• https://web.archive.org/web/20210718055024/https://link.springer.com/content/pdf/10.1007/s00041-021-09843-0.pdf?error=cookies_not_supported&code=3f01b507-b442-44eb-82aa-c9a98e1134e5	urls	• http://arxiv.org/pdf/1905.07741v2 • http://arxiv.org/abs/1905.07741v2 • http://arxiv.org/pdf/1905.07741v2		
	id	id-6899101593085055778	id	id-5530807601503970229		
	abstract	AbstractWe discuss an extension of Toeplitz quantization based on polyanalytic functions. We derive isomorphism theorem for polyanalytic Toeplitz operators between weighted Sobolev-Fock spaces of polyanalytic functions, which are images of modulation spaces under polyanalytic Bargmann transforms. This generalizes well-known results from the analytic setting. Finally, we derive an asymptotic symbol calculus and present an asymptotic expansion of complex Weyl operators in terms of polyanalytic Toeplitz operators.	abstract	We discuss an extension of Toeplitz quantization based on polyanalytic functions. We derive isomorphism theorem for polyanalytic Toeplitz operators between weighted Sobolev-Fock spaces of polyanalytic functions, which are images of modulation spaces under polyanalytic Bargmann transforms. This generalizes well-known results from the analytic setting. Finally, we derive an asymptotic symbol calculus and present an asymptotic expansion of complex Weyl operators in terms of polyanalytic Toeplitz operators.		
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