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	authors	• Brett D. Wick • Shengkun Wu	**authors**	• Brett D. Wick • Shengkun Wu	NOT DUPLICATES	1878
	title	Fock space on $\mathbb{C}^\infty$ and Bose-Fock space	**title**	Fock space on â„‚^âˆž and Bose-Fock space		
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	id	id869833715632957042	**id**	id6343665533907923678		
	abstract	In this paper, we introduce the Fock space over $\mathbb{C}^{\infty}$ and obtain an isomorphism between the Fock space over $\mathbb{C}^{\infty}$ and Bose-Fock space. Based on this isomorphism, we obtain representations of some operators on the Bose-Fock space and answer a question in \cite{coburn1985}. As a physical application, we study the Gibbs state.	**abstract**	In this paper, we introduce the Fock space over â„‚^âˆž and obtain an isomorphism between the Fock space over â„‚^âˆž and Bose-Fock space. Based on this isomorphism, we obtain representations of some operators on the Bose-Fock space and answer a question in . As a physical application, we study the Gibbs state.		
	versions		**versions**			