cases	doc_1		doc_2		decision	id
	authors	• Brain, Simon • Landi, Giovanni • van Suijlekom, Walter D.	**authors**	• Simon Brain • Giovanni Landi • Walter D. van Suijlekom	DUPLICATES	1340
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	abstract	We study analytic aspects of U(n) gauge theory over a toric noncommutative manifold M_θ. We analyse moduli spaces of solutions to the self-dual Yang-Mills equations on U(2) vector bundles over four-manifolds M_θ, showing that each such moduli space is either empty or a smooth Hausdorff manifold whose dimension we explicitly compute. In the special case of the four-sphere S^4_θ we find that the moduli space of U(2) instantons with fixed second Chern number k is a smooth manifold of dimension $8k-3$.Comment: 44 pages, no figure	**abstract**	We study analytic aspects of U(n) gauge theory over a toric noncommutative manifold M_Î¸. We analyse moduli spaces of solutions to the self-dual Yang-Mills equations on U(2) vector bundles over four-manifolds M_Î¸, showing that each such moduli space is either empty or a smooth Hausdorff manifold whose dimension we explicitly compute. In the special case of the four-sphere S^4_Î¸ we find that the moduli space of U(2) instantons with fixed second Chern number k is a smooth manifold of dimension 8k-3.		
	versions		**versions**			