

cases	doc_1		doc_2		decision	id
	authors	<ul style="list-style-type: none">Berdinsky, D.Taimanov, I.	authors	<ul style="list-style-type: none">Dmitry A. BerdinskyIskander A. Taimanov	DUPLICATES	899
	title	Surfaces in Three-Dimensional Lie Groups	title	Surfaces in three-dimensional Lie groups		
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	id	id-8322957452827995665	id	id-2337375112218501927		
	abstract		abstract	We derive the Weierstrass (or spinor) representation for surfaces in three-dimensional Lie groups \widetilde{SL}_2 , and Sol with Thurston's geometries and establish the generating equations for minimal surfaces in these groups. By using the spectral properties of the corresponding Dirac operators we find analogs of the Willmore functional for surfaces in these geometries.		
	versions		versions			