

cases	doc_1		doc_2		decision	id
			authors	<ul style="list-style-type: none">• Ä°lkay Arslan GÄ¼ven• Semra Kaya Nurkan	NOT DUPLICATES	546
	authors		title	Ruled Surfaces in Three Dimensional Lie Groups		
	title	Ruled surfaces in three dimensional Lie groups	publication_date	2015-03-09 00:00:00		
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	doi	10.28919/jmcs/4475	urls	<ul style="list-style-type: none">• https://web.archive.org/web/20200829011900/https://arxiv.org/pdf/1503.02524v1.pdf		
	urls	<ul style="list-style-type: none">• http://dx.doi.org/10.28919/jmcs/4475	id	id-7373245527757860316		
	id	id-5978922407510928577	abstract	Motivated by a number of recent investigations, we define and investigate the various properties of the ruled surfaces depend on three dimensional Lie groups with a bi-variant metric. We give useful results involving the characterizations of these ruled surfaces. Some special ruled surfaces such as normal surface, binormal surface, tangent developable surface, rectifying developable surface and Darboux developable surface are worked. From those applications, we make use of such a work to interpret the Gaussian, mean curvatures of these surfaces and geodesic, normal curvature and geodesic torsion of the base curves with respect to these surfaces depend on three dimensional Lie groups.		
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