

cases	doc_1		doc_2		decision	id
					DUPLICATES	392
	authors	<ul style="list-style-type: none"><li>Berestovskii, V.</li><li>Zubareva, I.</li></ul>	authors	<ul style="list-style-type: none"><li>Valera Berestovskii</li><li>Irina Zubareva</li></ul>		
	title	Abnormal Extremals of Left-Invariant Sub-Finsler Quasimetrics on Four-Dimensional Lie Groups with Three-Dimensional Generating Distributions	title	Abnormal extremals of left-invariant sub-Finsler quasimetrics on four-dimensional Lie groups with three-dimensional generating distributions		
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	urls	<ul style="list-style-type: none"><li>https://link.springer.com/content/pdf/10.1134/S0037446622040036.pdf</li><li>https://link.springer.com/article/10.1134/S0037446622040036/fulltext.html</li><li>https://link.springer.com/content/pdf/10.1134/S0037446622040036.pdf</li><li>http://dx.doi.org/10.1134/s0037446622040036</li></ul>	urls	<ul style="list-style-type: none"><li>http://arxiv.org/pdf/2111.02988v2</li><li>http://arxiv.org/abs/2111.02988v2</li><li>http://arxiv.org/pdf/2111.02988v2</li></ul>		
	id	id5312747670587453468	id	id-218258358175866951		
	abstract		abstract	We find three-dimensional subspaces of four-dimensional connected Lie algebras, generating these algebras, and abnormal extremals on connected Lie groups with these Lie algebras and with left-invariant sub-Finsler quasimetrics defined by seminorms on such subspaces. In terms of the structure constants of Lie algebras and dual seminorms, we establish a criterion for the strong abnormality of these extremals.		
	versions		versions			