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	authors	• Barron, Katrina	**authors**	• Katrina Barron	DUPLICATES	16
	title	Automorphism groups of N=2 superconformal super-Riemann spheres	**title**	Automorphism groups of N=2 superconformal super-Riemann spheres		
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	urls	• https://core.ac.uk/download/pdf/82121801.pdf	**urls**	• http://arxiv.org/pdf/0810.0054v3 • http://arxiv.org/abs/0810.0054v3 • http://arxiv.org/pdf/0810.0054v3		
	id	id5792339620767760329	**id**	id82734689295693251 40		
	abstract	In previous work, the author proved that there is a countably infinite family of N=2 superconformal equivalence classes of DeWitt N=2 superconformal super-Riemann surfaces with closed, genus-zero body. In this paper, we determine the automorphism groups for these N=2 superconformal super-Riemann surfaces, and analyze the Lie structure of these groups. Under the correspondence between N=2 superconformal and N=1 superanalytic structures, the results extend to the determination of automorphism groups of N=1 superanalytic DeWitt super-Riemann surfaces with closed, genus-zero body.Comment: Corollary 6.1 renamed a Theorem; minor adjustments. Final version; to appear in J. Pure Appl. Alg	**abstract**	In previous work, the author proved that there is a countably infinite family of N=2 superconformal equivalence classes of DeWitt N=2 superconformal super-Riemann surfaces with closed, genus-zero body. In this paper, we determine the automorphism groups for these N=2 superconformal super-Riemann surfaces, and analyze the Lie structure of these groups. Under the correspondence between N=2 superconformal and N=1 superanalytic structures, the results extend to the determination of automorphism groups of N=1 superanalytic DeWitt super-Riemann surfaces with closed, genus-zero body.		
	versions		**versions**			