cases	doc_1		doc_2		decision	id
	authors	• Thomas Nikolaus • Christoph Schweigert	**authors**	• Nikolaus, Thomas • Schweigert, Christoph	DUPLICATES	828
	title	Equivariance In Higher Geometry	**title**	Equivariance In Higher Geometry		
	publication_date	2010-04-26 15:50:04+00:00	**publication_date**	2010-01-01 00:00:00		
	source	SupportedSources.ARXIV	**source**	SupportedSources.CORE		
	journal	Adv. Math. , 226(4): 3367-3408, 2011	**journal**	None		
	volume		**volume**			
	doi		**doi**	10.1016/j.aim.2010.10.016		
	urls	• http://arxiv.org/pdf/1004.4558v4 • http://arxiv.org/abs/1004.4558v4 • http://arxiv.org/pdf/1004.4558v4	**urls**	• https://core.ac.uk/download/pdf/82699697.pdf		
	id	id8003171795304093921	**id**	id-5461886986049138606		
	abstract	We study (pre-)sheaves in bicategories on geometric categories: smooth manifolds, manifolds with a Lie group action and Lie groupoids. We present three main results: we describe equivariant descent, we generalize the plus construction to our setting and show that the plus construction yields a 2-stackification for 2-prestacks. Finally we show that, for a 2-stack, the pullback functor along a Morita-equivalence of Lie groupoids is an equivalence of bicategories. Our results have direct applications to gerbes and 2-vector bundles. For instance, they allow to construct equivariant gerbes from local data and can be used to simplify the description of the local data. We illustrate the usefulness of our results in a systematic discussion of holonomies for unoriented surfaces.	**abstract**	We study (pre-)sheaves in bicategories on geometric categories: smooth manifolds, manifolds with a Lie group action and Lie groupoids. We present three main results: we describe equivariant descent, we generalize the plus construction to our setting and show that the plus construction yields a 2-stackification for 2-prestacks. Finally we show that, for a 2-stack, the pullback functor along a Morita-equivalence of Lie groupoids is an equivalence of bicategories. Our results have direct applications to gerbes and 2-vector bundles. For instance, they allow to construct equivariant gerbes from local data and can be used to simplify the description of the local data. We illustrate the usefulness of our results in a systematic discussion of holonomies for unoriented surfaces.Comment: 42 pages, minor correction		
	versions		**versions**			