	doc_1		doc_2		decision	
	authors	Frederic Bernicot	authors	Frederic Bernicot		
	authors		title	Maximal inequalities for dual Sobolev spaces \$W^{-1,p}\$ and applications to interpolation		
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		We firstly describe a maximal inequality for dual Sobolev spaces W^-1,p. This one corresponds to a "Sobolev	id	id4234591875442442204]	
	abstract versions	Riemannian manifold. Then we present an application to obtain interpolation results for Sobolev spaces.	abstract	We firstly describe a maximal inequality for dual Sobolev spaces W^{-1,p}. This one corresponds to a "Sobolev version" of usual properties of the Hardy-Littlewood maximal operator in Lebesgue spaces. Even in the euclidean space, this one seems to be new and we develop arguments in the general framework of Riemannian manifold. Then we present an application to obtain interpolation results for Sobolev spaces.		
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