

cases	doc_1		doc_2		decision	id
	authors	<ul style="list-style-type: none">Luigi AmbrosioMaria ColomboSimone Di Marino	authors	<ul style="list-style-type: none">Ambrosio, L.Colombo, M.Marino, S.	DUPLICATES	1336
	title	Sobolev spaces in metric measure spaces: reflexivity and lower semicontinuity of slope	title	Sobolev spaces in metric measure spaces: reflexivity and lower semicontinuity of slope		
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	id	id4179713714161275378	id	id6163083590172603126		
	abstract	In this paper we make a survey of some recent developments of the theory of Sobolev spaces $W^{1,q}(X,\text{sfd},\text{mm})$, $1\leq q<\infty$, in metric measure spaces (X,sfd,mm) . In the final part of the paper we provide a new proof of the reflexivity of the Sobolev space based on Γ -convergence; this result extends Cheeger's work because no Poincar\'e inequality is needed and the measure-theoretic doubling property is weakened to the metric doubling property of the support of mm . We also discuss the lower semicontinuity of the slope of Lipschitz functions and some open problems.	abstract			
	versions		versions			