authors   • Van Hoang Nguyen				1		1	
title	cases	doc_1			doc_2	decision	id
title		authors	authors • Van Hoang Nguyen				
spaces   publication_date   2020-01-12 15:45:46+00:00   publication_date   2020-01-13 00:29:30+00:00   source   SupportedSources.ARXIV   journal   None   volume   doi     http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   lid   id4216556976846945573   id   id6111209584354708703   Let \$W^1L^5(p,q](mathbb H^n)\$, \$\frac{11209584354708703}{100000000000000000000000000000000000		title	LorentzSobolev inequalities in the hyperbolic	authors	Van Hoang Nguyen		
Source   SupportedSources.ARXIV   SupportedSources.ARXIV   SupportedSources.ARXIV   SupportedSources.ARXIV   SupportedSources.ARXIV   Suppor							
Supported Supported Surfey   Supported Supported Surfey   Supported		publication date	2020-01-12 15:45:46+00:00	publication_date			
volume   volume   volume   doi   wolume   wolume   doi   wolume   doi   wolume   doi   wolume   doi   wolume   wolume   doi   wolume   doi   wolume   doi   wolume   wolume   doi   wolume   wolume   doi   wolume   wolume   doi   wolume   wolume   wolume   wolume   wolume   doi   wolume   wolume   wolume   wolume   wolume   doi   wolume		source	SupportedSources.ARXIV	source	AA		
cases   doi   doi     doi     http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.04018v1		journal	None	journal	None		
cases    urls   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.03950v1   http://arxiv.org/pdf/2001.04018v1   http://arxiv.o		volume					
urls  http://arxiv.org/abs/2001.03950v1 http://arxiv.org/pdf/2001.03950v1 http://arxiv.org/pdf/2001.03950v1 http://arxiv.org/pdf/2001.03950v1  id id4216556976846945573  In this paper, we study the sharp Poincar\edge inequalities in the higher order LorentzSobolev spaces in the lorentzSobolev spaces. Finally, we provide the improved Moser-  abstract  http://arxiv.org/abs/2001.04018v1  id id6111209584354708703  Let \$\mathbb{W}\ilder{\text{1L}}\rangle \text{q,q}\cdot\text{cinequality in \$\mathbb{W}\ilder{\text{1L}}\rangle \text{p,q}\rangle \text{(mathbb H}\rangle \text{n}\rangle \text{vith \$\mathbb{M}\rangle \text{p,q}\rangle \text{(mathbb H}\rangle \text{n}\rangle \text{vith \$\mathbb{M}\rangle \text{p,q}\rangle \text{(mathbb H}\rangle \text{n}\rangle \text{substant} \text{vith \$\mathbb{M}\rangle \text{p,q}\rangle \text{vith \$\mathbb{M}\rangle \text{p,q}\rangle \text{vith \$\mathbb{M}\rangle \text{p,q}\rangle \text{vith \$\mathbb{M}\rangle \text{p,q}\rangle \text{vith \$\mathbb{M}\rang		doi		doi			
In this paper, we study the sharp Poincar'e inequality and the Sobolev inequalities in the higher order LorentzSobolev spaces in the higher order LorentzSobolev spaces in the higher order LorentzSobolev spaces. These results are results are results in cite {NgoNguyenAMV} to the setting of LorentzSobolev spaces. Finally, we provide the improved Moser-		urls	• http://arxiv.org/abs/2001.03950v1	urls	• http://arxiv.org/abs/2001.04018v1	NOT DUPLICATES	, 1879
In this paper, we study the sharp Poincar\'e inequalities in the higher order LorentzSobolev spaces in the higher order LorentzSobolev spaces in the higher order LorentzSobolev spaces in the higher order LorentzSobolev spaces. These results are results as abstract  Let \$\mathbb{H}^n\\$, \$1\leq q, p < \infty\\$ denote the LorentzSobolev spaces of order one in the hyperbolic spaces \mathbb{H}^n\\$. Our aim in this paper is three-fold. First of all, we establish a sharp Poincar\'e inequality in \$\mathbb{H}^n\\$ with \$1\leq q \leq p\\$ which generalizes the result in \cite{\mathbb{N}goNguyenAMV} to the setting of Lorentz-Sobolev spaces. Second, we prove several sharp Poincar\'e-Sobolev type inequalities in \$\mathbb{H}^n\\$ with \$1\leq q \leq p < n\\$ which generalize the results in \cite{\mathbb{N}guyenPS2018} to the setting of Lorentz-Sobolev spaces. Finally, we provide the improved Moser-		id	id4216556976846945573	id			
abstract    Application   Special Spec		abstract	inequality and the Sobolev inequalities in the higher order LorentzSobolev spaces in the hyperbolic spaces. These results generalize the ones obtained in \cite{Nguyen2020a} to the higher order derivatives and seem to be new in the context of the LorentzSobolev spaces		three-fold. First of all, we establish a sharp Poincar\e inequality in $W^1L^{p,q}(\mathbb{P},q)$ (wathbb $\mathbb{P},n$ ) with $\mathbb{P}_n$ which generalizes the result in \cite{NgoNguyenAMV} to the setting of Lorentz-Sobolev spaces. Second, we prove several sharp Poincar\e-Sobolev type inequalities in $\mathbb{W}^1L^{p,q}(\mathbb{P},q)$ with $\mathbb{P}_n$ with $\mathbb{P}_n$ which generalize the results in \cite{NguyenPS2018} to the setting of Lorentz-Sobolev spaces. Finally, we provide the improved Moser-Trudinger type inequalities in $\mathbb{W}^1L^{n,q}(\mathbb{H}^n)$ in the critical case $p=n$ with $\mathbb{P}_n$ which generalize the results in \cite{NguyenMT2018} and improve the results in \cite{YangLi2019}. In the proof of the main results, we shall prove a $\mathbb{P}_n$ by type principle in $\mathbb{W}^1L^{p,q}(\mathbb{H}^n)$ with $\mathbb{P}_n$		
versions		versions	V A A			1	