# Relations about the traces of $BV$, $N^{1,1}$ and $M^{1,1}$

Zhuang Wang

**Abstract**

On metric measure space, for a given domain $\Omega$, I will talk about some regularities of the domain $\Omega$ such that the trace spaces of $BV(\Omega)$, Newtonian-Sobolev space $N^{1,1}(\Omega)$ and Hajłasz-Sobolev space $M^{1,1}(\Omega)$ are the same if they exist.

The talk is based on a joint work with Panu Lahti and Xining Li.