

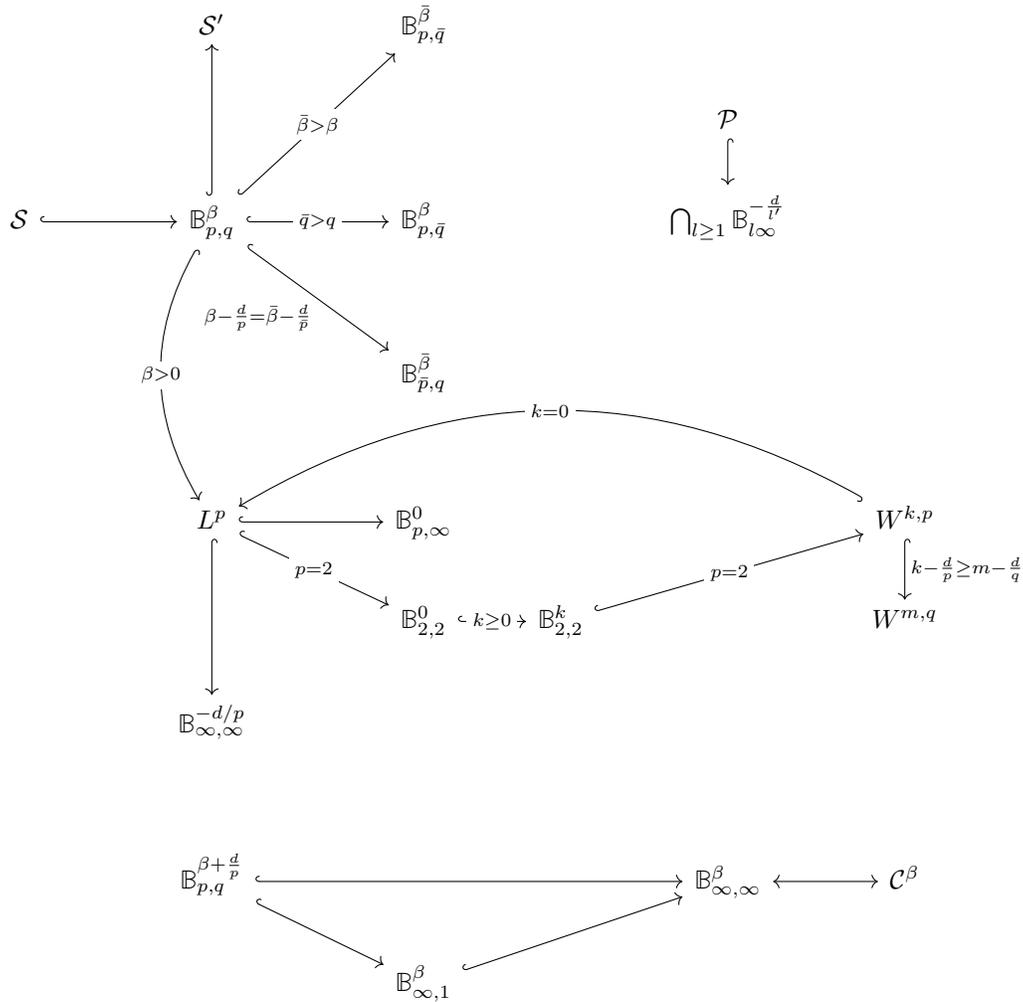
Continuous embeddings in Besov - Lebesgue - Sobolev spaces on \mathbb{R}^d

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Definition 1 (Continuous embedding). For two normed vector spaces $(X, \|\cdot\|_X)$ and $(Y, \|\cdot\|_Y)$ such that $X \subset Y$, we say that X is continuously embedded in Y and we write $X \hookrightarrow Y$ if either of the equivalent following holds:

1. $\text{Id} : X \rightarrow Y, x \mapsto x \in \mathcal{C}^0$
2. $\exists C > 0 : \forall x \in X, \|x\|_Y \leq C\|x\|_X$

The following continuous embeddings hold:



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