

A characterization of generalized Besov Morrey spaces by differences

Takahiro Noi

*Department of Mathematics and Information Science,
Tokyo Metropolitan University,
Hachioji, 192-0397, Japan
mailto:taka.noi.hiro@gmail.comtaka.noi.hiro@gmail.com*

Nakamura, Noi and Sawano in [1] considered the generalized Besov Morrey spaces $\mathcal{N}_{\mathcal{M}_q^\varphi, r}^s(\mathbb{R}^n)$ and generalized Triebel–Lizorkin Morrey spaces $\mathcal{E}_{\mathcal{M}_q^\varphi, r}^s(\mathbb{R}^n)$. In this talk, we show a characterization of generalized Besov Morrey spaces $\mathcal{N}_{\mathcal{M}_q^\varphi, r}^s(\mathbb{R}^n)$ by differences.

This talk is a joint work with Professor Mitsuo Izuki at Okayama University.

References

- [1] S. Nakamura, T. Noi and Y. Sawano, *Generalized Morrey spaces and trace operator*. Sci. China Math. **59** (2016), 281–336.