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Translation invariant Banach function spaces on groups

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Curriculum Vitae

Chun Ding was born in Huai'an, Jiangsu Province, China in 1994. His interest in mathematics began in high school.

He was admitted to the School of Mathematical Sciences at Nanjing Normal University in 2012, where he obtained his Bachelor's degree in 2016.

After that, he began his Master's studies, supervised by Prof. Chi-Keung Ng, at the Chern Institute of Mathematics at Nankai University in Tianjin. He obtained his Master's degree in 2019 with a thesis entitled *On Dye's Theorem for C^* -algebras*.

In 2019, he started his PhD research under the supervision of Dr. Marcel de Jeu and Dr. Onno van Gaans at the Mathematical Institute of Leiden University. During his PhD period, he took the course *Scientific Conduct*. He visited Sichuan University in Chengdu, China for three months in 2021. He participated in the workshop *Recent Advances in Banach Lattices* in Banff, Canada, 2023, and gave contributed talks at the workshop *Ordered Vector Spaces and Positive Operators* in Wuppertal, Germany, 2023, and at the conference *Positivity XI* in Ljubljana, Slovenia, 2023.

After obtaining his PhD degree, he plans to continue his career as a postdoc in mathematics.

Publication list

- C. Ding and M. de Jeu. Direct limits in categories of normed vector lattices and Banach lattices. *Positivity*, 27(3):Paper No. 39, 32 pages, 2023.
- C. Ding and C.-K. Ng. Ortho-sets and Gelfand spectra. *Journal of Physics A: Mathematical and Theoretical*, 54(29):295301, 2021.
- C. Ding. An alternative solution to an international mathematical contest problem. *Intermediate Mathematics*, (1):22–22, 2014. (Chinese).

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I am also deeply grateful to my co-advisor, Dr. van Gaans. He is a very gentle and experienced advisor, who has provided me with valuable advice and guidance on my research. I particularly appreciated our open discussions as equals, during which he often understood my thoughts even before I fully articulated them.

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