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Spectral analysis of inhomogeneous network models

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Curriculum Vitae

Nandan Malhotra was born on September 14th 1998, in New Delhi, India. He grew up in New Delhi, where he attended the Mother's International School and obtained his high school graduation certificate in 2016.

He then moved to Mohali (Punjab) to join a dual-degree BS-MS programme at the Indian Institute of Science Education and Research (IISER), Mohali. He was awarded the DST-INSPIRE Fellowship by the Government of India. He obtained a Bachelor of Science and Master of Science in Mathematics in 2021. During his time at IISER Mohali, he undertook summer internships at the Indian Institute of Science (IISc) Bangalore and the École Normale Supérieure (ENS) Rennes. In his final year, he wrote his master's thesis entitled "Preferential Attachment Trees with fitness", under the supervision of dr. N. Sahasrabudhe (IISER Mohali) and dr. K. Avrachenkov (INRIA Sophia Antipolis).

In September 2021, he moved to Leiden to start his PhD as a member of the probability group at the Mathematical Institute of Leiden University, within the framework of the NETWORKS consortium. His research was funded in part by an NWO grant and further under a Marie Skłodowska-Curie grant. He worked under the supervision of prof. dr. W.T.F. den Hollander (Leiden University), dr. R.S. Hazra (Leiden University) and dr. L. Avena (University of Florence).

During his PhD, he served as a teaching assistant for various courses in Leiden. He attended workshops, conferences and summer schools, and presented his research on several occasions in Brazil, Germany, India, Italy, and The Netherlands. He collaborated on research projects and open problems with researchers in India, Italy, The Netherlands, the UK, and the USA. He was an active member of the mathematical community in these four years as an organiser of the PhD Colloquium and the probability seminar at the Mathematical Institute of Leiden University. He also served as a board member of the Young KWG, a section founded under the Royal Dutch Mathematical Society (KWG) to foster a community of young mathematicians in the early stages of their careers.