

INVITATION TO A GUEST LECTURE

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“A generalisation of k -Dyck paths”

📍 N.0.07

📅 Tuesday, 23 July 2019

🕒 10:30 a.m.

Abstract

A k -Dyck path is a non-negative lattice path that starts and ends on the line $y = 0$, and consists of steps $(1, 1)$ and $(1, -k)$. In this talk we will provide an extension of k -Dyck paths and discuss some results relating to their enumeration and analysis. As an application, we will show how these paths assist in enumerating a family of walks in the quarter plane $(\mathbb{Z}_{\geq 0} \times \mathbb{Z}_{\geq 0})$.

Benjamin Hackl, Clemens Heuberger and the Department of Mathematics look forward to seeing you at the talk!