



CENTRO DE  
**MATEMÁTICA**  
UNIVERSIDADE DO PORTO

## Algebra, Combinatorics and Number Theory Seminar

**Date.** Wednesday, May 14, 2025 - 2.30pm Porto - FC1 007 (and online) <sup>1</sup>

**Speaker.** Mehmet Yesil - Batman University

**Title.** Young diagram decompositions for almost symmetric numerical semigroups

**Abstract.** In this talk, we will present the bijective correspondence between Young diagrams and proper numerical sets. Then we will use this correspondence to introduce Young diagram decompositions for symmetric numerical sets (and semigroups). We will extend these decompositions to almost symmetric numerical semigroups.

**There will be a coffee break after the seminar.**

### References

- [1] M. Suer, M. Yesil. Symmetric and Pseudo-Symmetric Numerical Semigroups via Young Diagrams and their Semigroup Rings. *Journal of the Korean Mathematical Society* **58** (2021), 1367–1383.
- [2] M. Yesil. Young Diagram Decompositions for Almost Symmetric Numerical Semigroups. arXiv:2504.20688

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<sup>1</sup><https://fc-up-pt.zoom.us/j/85243807260>