

Math and Cookies

Title: How can topology say something about combinatorics, and vice versa?

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Abstract: In this talk, we see one example of interaction between topology and combinatorics. We will mostly focus on the *non-matching complex* of a graph as a leading example, and see (i) how previous topological results about this complex were obtained by combinatorial methods, and (ii) how those topological properties imply the existence of a rainbow matching under certain conditions.

