

SPLITTABILITY OF CONFIGURATIONS AND GRAPHS, REVISITED

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Branko Grünbaum introduced the notion of splittability of configurations in 2009. This concept was later generalized to graphs. In this talk, we will survey the results on splittability and present some joint work in progress with Nino Bašić and Matjaž Krnc on the splittability of polycirculants. In particular, we will prove that every proper I -graph is splittable.

We will also discuss a refinement of partition for the class of finite graphs and configurations with respect to their splittability type. With the help of Leah Berman and Gábor Gévay, we have constructed a minimal geometric 3-configuration of each type.

This is the second update of a talk that was first presented in 2021.

References

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