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**Michael Tait\*** ([michael.tait@villanova.edu](mailto:michael.tait@villanova.edu)). *Multicolor extremal problems.*

We consider multicolor and multigraph Turán-type problems. For example, suppose  $R$  (red) and  $B$  (blue) are two graphs on the same vertex set, and  $H$  is some graph with a red-blue coloring of its edges. How large can  $R$  and  $B$  be if  $R \cup B$  does not contain a copy of  $H$ ? This work is motivated by a conjecture of Diwan and Mubayi that generalizes Turán's theorem when  $H$  is a complete graph. They also asked for an analogue of the Erdős-Stone-Simonovits theorem in this setting. We partially answer the latter question and discuss other related results. This is joint work with Ander Lamaison and Alp Müyesser. (Received February 15, 2021)