

The Current State of the Exploration of $\mathcal{F}(1, 2)$ -Invariant Graphs

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A trivalent vertex-transitive graph X is $\mathcal{F}(1, 2)$ -invariant if its edge set admits a partition into a 2-factor and a 1-factor which is left invariant under $\text{Aut}(X)$. This talk deals with the current status of the ongoing work on characterizing these graphs.

This reflects joint work with Ted Dobson, Afsaneh Khodadadpour, Don Kreher, and Primož Šparl.