

On Graphs with Rainbow 1-Factorizations

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In this talk we will elaborate on what can go wrong and what can go right in attempting to construct small order graphs G which are of order $2n$, are regular of degree n , and can be properly edge colored with n colors and then decomposed into rainbow 1-factors. Ideally, the somehow quantified amount that goes right will be greater than the amount that goes wrong.

Keywords: edge coloring, 1-factorization, graph decomposition, rainbow subgraph