

Irredundant Colorings of Graph Products

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An *irredundant coloring* is a partition of the vertices of a graph, G , into irredundant sets. An *open irredundant coloring* is a partition of the vertices of G into open irredundant sets. The *irratic number*, $\chi_{ir}(G)$, is the minimum size of an irredundant coloring of G . The *open irratic number*, $\chi_{oir}(G)$, is the minimum size of an open irredundant coloring of G . In this talk we will bound the irratic and open irratic numbers for graphs produced by common graph products.

Keywords: irredundant, direct product, Cartesian product, strong product, coloring