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Variations of the 1,2,3-Conjecture

Karoński, Łuczak, and Thomason conjectured that the edges of a graph having no edge component can be weighted from the set $\{1,2,3\}$ so that any two adjacent vertices have distinct sums of weights from their respective incident edges. I will survey a number of variations of this "1,2,3-Conjecture" including a variation which has been completely solved by myself and Dr. Brett Stevens where only two edge weights are required.