

The Hereditary Closure of the Unigraphs

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A degree sequence is unigraphic if it is realized by exactly one graph, up to isomorphism. The class of these unigraphs is not hereditary, but there are two related hereditary classes. Barrus (2012) characterized the largest hereditary class contained within the unigraphs, and in this work, we study the smallest hereditary class containing all unigraphs. We give several equivalent characterizations of the class, including by structure, degree sequence, and a forbidden family of induced subgraphs.

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