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New Properties of Realizations of Degree Sequences

Delen and Cangul recently defined a new graph invariant in terms of a degree sequence. By means of this invariant, it is possible to classify the realizations of the given degree sequence. Also this new invariant gives a lot of information about the connectedness, the number of components, loops, pendant edges, chords and multiple edges of the realizations. We shall give some new combinatorial and topological properties of this invariant.

Primary author: Prof. CANGUL, Ismail Naci (Uludag University)

Co-authors: Dr YURTTAS, Aysun (Uludag University); Dr TOGAN, Muge (Uludag University); Mr DELEN, Sadik (Uludag University)

Presenter: Prof. CANGUL, Ismail Naci (Uludag University)