

Enumeration of strictly Deza graphs... update notes

1. New information about paper goals was added in abstract and in introduction.

In abstract: We find all 139 strictly Deza graphs up to 21 vertices and list corresponding constructions and properties.

In introduction: In previous papers ([3, 6]) corresponding constructions were given for almost all graphs. However, among graphs we found, the constructions of almost half of the graphs were unknown. Therefore, we give a list of the found graphs and indicate all known constructions. This shows for which graphs the constructions are unknown, thus giving one of the approaches to finding new ones.

2. More notes about exhaustiveness of enumeration algorithm were added in Section 2.

About non-equivalent partial matrices: Since the equivalent matrices will give isomorphic graphs at the end, leaving all nonequivalent options does not reduce the exhaustiveness of the algorithm.

And about rows enumeration: For the remaining $v - 5$ rows of the matrix we use exhaustive search of possible rows: all possible combinations of required number of 1s in $v - i$ positions, where i is the number of current row.

3. Section 3 was restructured. Now it contains a list of the constructions noted in the resulting table with minimal explanations, references to the corresponding papers and the denotation of these constructions in the resulting table.

4. We have named the tables with our results.

5. Section 5 about Deza graphs with WL-rank 4 was removed.

6. We also fixed some typos and moved definitions and information concerning DDGs and WL-closures to the Introduction.