Seminar

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Title:	Induced immersions
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Abstract

A graph G contains a multigraph H as an induced immersion if H can be obtained from G by a sequence of vertex deletions and lifts. We present a polynomial-time algorithm that decides for any fixed multigraph H whether an input graph G contains H as an induced immersion. We also show that for every multigraph H with maximum degree at most 2, there exists a constant c_H such that every graph with treewidth more than c_H contains H as an induced immersion.