Seminar

Speaker:	[Rémy Belmonte](#) (PhD student, University of Bergen)
Title:	Induced immersions
Date:	Friday, 30 Nov 2012
Time:	18:30-19:30
Location:	[Univeristy of Athens, Department of Mathematics, University of Athens, room Γ33](#)

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.