



Seminar Announcement

Speaker: **Sinem ÇELİK ONARAN**

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Knots and Open Book Decompositions

Due to Alexander, it is well known that every closed oriented 3-manifold has an open book decomposition. In this talk, we will define open book decompositions of 3-manifolds and discuss various examples in detail. We will discuss the importance of the open books in manifold theory, in particular in contact geometry. Further, we will focus on a class of knots in contact 3-manifolds called Legendrian knots and mention about a new invariant for Legendrian knots that we defined by using open book decompositions.

This talk aims to reach general audience.

DATE: April 14, 2010

TIME: 15:45

PLACE: FEF 403 (Seminar Room)

All interested people are cordially invited.

After the seminar, some cookies and soft drinks will be served.

DEPARTMENT OF MATHEMATICS