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# KNOT THEORY AND STATISTICAL MECHANICS

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## Abstract

Distinguishing one knot from another is one of the long-standing problems in knot theory. Recent discoveries showed that connection between statistical mechanics and knot theory permits the direct formulation of knot invariants. In this talk I will introduce basic concepts in Knot Theory, then we will discuss the connection of knot invariants and statistical mechanics.

**Date :** Friday, October 16, 2020

**Time:** 15:30

**Place:** IMBM Seminar Room, Boğaziçi University South Campus