

THE TRIVIAL NOTIONS SEMINAR

Leon Liu

will speak on

**Link homologies, braid group action,
and Soergel bimodules**

ABSTRACT

Perhaps surprisingly, the study of link invariants lies in the intersection of low dimensional topology, representation theory, higher categories and mathematical physics. First we discuss the Jones polynomial and its relation to the fields listed above. Then we move on to a particular family of link homology, called Khovanov HOMFLY homology, whose construction is surprisingly simple, using something called Soergel bimodules and their braid group actions.

Tuesday, April 12, 2022

at 1:30 pm

Science Center, Room 232