

ALGEBRA SEMINAR

The bar construction for operads

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ABSTRACT: First, I will give a description of the free operad generated by a Σ -module. Second, we will talk about cooperads. Then I will describe the bar construction for operads and the cobar construction for cooperads. I will show that the cobar-bar construction gives us a free resolution for an operad satisfying minor technical conditions. Finally, we will talk about algebras over the cobar construction of a cooperad.

MONDAY, NOVEMBER 22, 2010

1:10 – 2:30 PM

ROOM 617, WACHMAN HALL
DEPARTMENT OF MATHEMATICS