

1057-05-221

Thomas Lam and **Pavlo Pylyavskyy*** (pavlo@umich.edu). *Total positivity in loop groups:
Chevalley generators.*

We study infinite products of Chevalley generators in the formal loop group. I will describe the formalism of infinite sequences of braid moves, called a braid limit. I will explain what are the equivalence classes of infinite reduced words, and how a partial order on them called the limit weak order arises. (Received January 23, 2010)