Jose Ceniceros* (jcenicer@hamilton.edu), Mohamed Elhamdadi and Sam Nelson.

Legendrian Rack Invariants of Legendrian Knots. Preliminary report.

We will give a brief overview of the study of Legendrian knots. We will also introduce a new algebraic structure called Legendrian rack to study Legendrian knots and give explicit examples. (Received January 29, 2019)