

1146-17-483

**Gizem Karaali\*** ([gizem.karaali@pomona.edu](mailto:gizem.karaali@pomona.edu)). *Toward A Theory of Super Quantum Groups: Classical Yang-Baxter Equations in the Super Context.* Preliminary report.

Just as in the non-graded case, the solutions to the CYBE on a Lie superalgebra are the semiclassical limits of quantum R-matrices (solutions to the QYBE) on the associated Lie supergroup. Hence, an understanding of the solutions of the CYBE is essential to a theory of super quantum groups. Earlier results show that there are some intrinsically new structures that need to be considered in the super context. In this talk we review these complications and describe some results pertaining to the CYBE and its super solutions. (Received January 28, 2019)