

1094-57-226

Carmen Caprau*, 5245 N. Backer Avenue M/S PB 108, Fresno, CA 93740. *Yang-Baxter state models and singular links*. Preliminary report.

We consider the Yang-Baxter state model for the $\mathfrak{sl}(n)$ polynomial (introduced by L. Kauffman) and extend it to a polynomial invariant for singular links. We also discuss our efforts in extending these state models to invariants for 4-valent knotted graphs. (Received August 25, 2013)