

## Quantum Topology / Hopf Algebra Seminar

### *Quantum Link Invariants*

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**Abstract:** Continuing. We found that  $M$  with  $M^2 = I$  is enough to make models for the bracket polynomial. We showed how to generalize the Yang-Baxter solution associated with  $M$  to a wider solution with any index set. In this talk we show how to use this solution to make models for the Homflypt polynomial of Hoste, Ocneanu, Millett, Freyd, Lickorish, Yetter, Przytyci and Traczyk. Time permitting, we shall discuss the beginnings of the relationships with the Temperley Lieb algebra and with quantum groups (Hopf algebras).

Thursday, September 14 at 3:00 PM in SEO 612