

1054-16-290

**Samson Ephraim Black\*** (sblack1@uoregon.edu), Department of Mathematics, University of Oregon, Eugene, OR 97403. *A Statesum Formula for the Alexander-Conway Polynomial*. Preliminary report.

In the spirit of Kauffman's statesum formula for the Jones polynomial, we define certain resolutions of a braid diagram into colored states. By associating certain weights to each state and summing over all admissible states, we recover the Alexander-Conway polynomial. (Received September 15, 2009)