Contribution ID: **39**   Type: **not specified**

Wilson loops in 4d SYM and in 2d YM

Thursday 27 September 2007 17:00 (30 minutes)

I will present some new results about supersymmetric Wilson loops in four dimensional YM. First I will present a large class of operators preserving 1/2, 1/4, 1/8 and 1/16 of the supersymmetries of the vacuum. Then I will show a possible realtion between some of those loops, following an arbitrary curve on an S^2 subspace of R^4 to Wilson loops in two dimensional YM. To the extent that we've been able to calculate, there is a precise agreement, suggesting another connection between certain operators in N=4 SYM and low dimensional soluable models.

Based on preprint

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Session Classification: String theory (2) (continued)