

Saulina: Abelian Chern-Simons theory: topological boundary conditions and surface operator

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2:05 PM

$$S = \frac{i}{4\pi} \int K(A, dA) \quad A - \text{connection on } U(1)^n \text{ on } M_3$$

"  $\mathbb{R}/2\pi\mathbb{Z}$

where for  $e \in \Lambda$ ,  $K(e, e) \in 2\mathbb{Z}$

Wilson Lines:

$$W_X(L) = e^{i \int_L X(A)} \quad W_X = W_{X+km}$$

$$\mathcal{D} = \frac{\Lambda^*}{k\Lambda}$$

Wilson lines form a "braided monoidal category",  
and I have no clue what she is talking  
about.

I have no clue.