

Seminar

Prof. Ingo Runkel

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Spin from defects in two-dimensional field theory

Monday, February 24, 2014

at 9:30 h

ESI, Boltzmann Lecture Hall

Abstract: Studying defects in quantum field theories has many interesting applications. I will consider two dimensional topological and conformal field theories defined on oriented surfaces in the presence of line defects. It turns out that with the help of a certain type of line defect one can use the original theory to obtain a new theory which is defined on surfaces with spin structure. This is joint work with Sebastian Novak.

J. Fuchs, L. Katzarkov, N. Reshetikhin, C. Schweigert

February 11, 2014