

K-theory pairings on the moduli stack of bundles

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Abstract

This talk is based on a joint paper with C. Teleman on formulas for the K-theory pairings on the moduli stack of bundles which simultaneously generalize E. Verlinde's formulas for line bundles and Witten's formulas for cohomology pairings. The formulas are related to higher twistings in equivariant K-theory.