

1019-81-219

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*Computation of (0,2) correlation functions.* Preliminary report.

Based on joint work of the second author and Eric Sharpe, we extend computational methods for computing correlation functions in (0,2) theories. Given a compact Kähler manifold  $X$  and a holomorphic vector bundle  $E$  of rank at most 8, physics predicts the existence of a quantum correction to the ring  $\bigoplus_{p,q} H^q(X, \Lambda^p E^*)$ , extending the familiar quantum cohomology ring which arises when  $E$  is the tangent bundle of  $X$ . This prediction is supported by examples. (Received August 15, 2006)