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Genus-1 Virasoro conjecture along quantum volume direction

Xiaobo Liu

(Submitted on 19 Jun 2011)

In this paper, we show that the derivative of the genus-1 Virasoro conjecture for Gromov-Witten invariants along the direction of quantum volume element holds for all smooth projective varieties. This result provides new evidence for the Virasoro conjecture.

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