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Asymptotic formulas for curve operators in TQFT

Renaud Detcherry (EcolePolytechnique)

(Submitted on 5 Jun 2012)

Topological quantum field theories with gauge group τSU_2 associate to each surface with marked points S = 0 and each integer r>0 a vector space V_r (Sigma) and to each simple closed curve $\gamma = 0$ a vector space V_r (Sigma) and to each simple closed curve $\gamma = 0$ a vector space V_r (Sigma) and to each simple closed curve $\gamma = 0$ a vector space V_r (Sigma) and to each simple closed curve $\gamma = 0$ a vector space V_r (Sigma) and to each simple closed curve $\gamma = 0$ a vector space $V_r = 0$ and $V_r = 0$ and $V_r = 0$ have an asymptotic expansion in orders of the operators $T_r^{o} = 0$ have an asymptotic expansion in orders of $\Gamma_r = 0$ have an asymptotic expansion in orders of $\Gamma_r = 0$ have an asymptotic expansion in terms of trace functions, generalizing results of March'e and Paul.

Subjects: Geometric Topology (math.GT) Cite as: arXiv:1206.0887v1 [math.GT]

Submission history

From: Renaud Detcherry [view email] [v1] Tue, 5 Jun 2012 11:52:02 GMT (70kb,D)

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