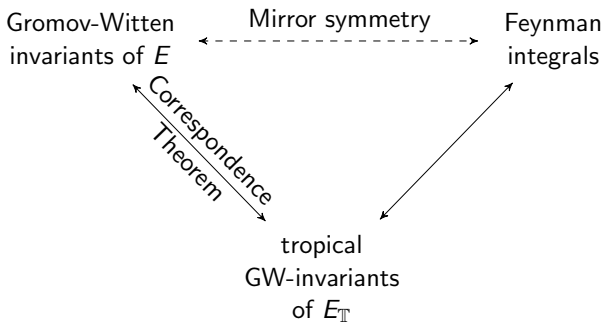


I.10 Tropical mirror symmetry of elliptic curves

Christoph Goldner

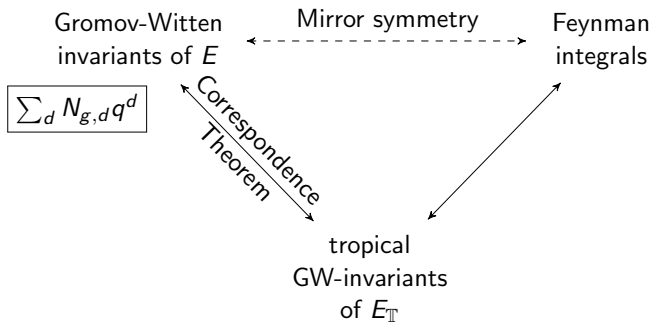
joint work with
Janko Böhm & Hannah Markwig





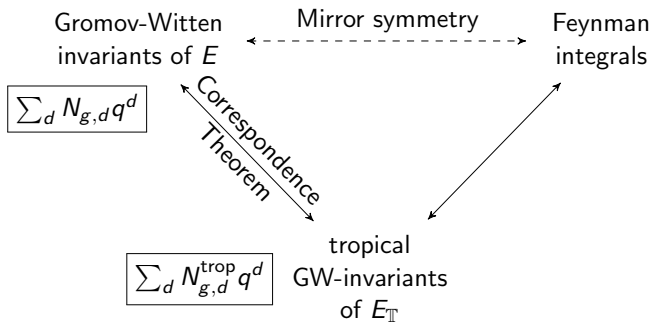
Gromov-Witten invariants of E

Counts of ramified covers of an elliptic curve E satisfying fixed ramification data.



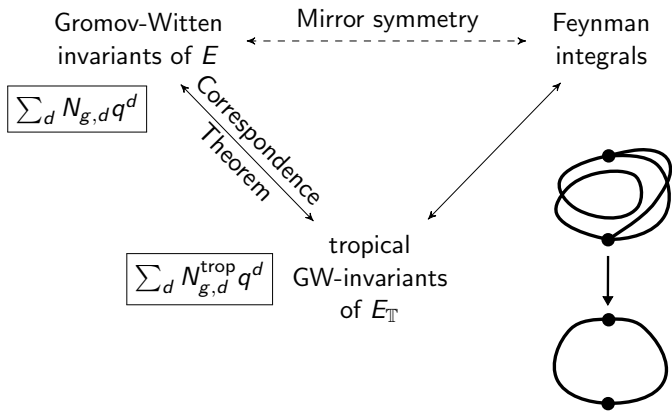
Gromov-Witten invariants of E

Counts of ramified covers of an elliptic curve E satisfying fixed ramification data.



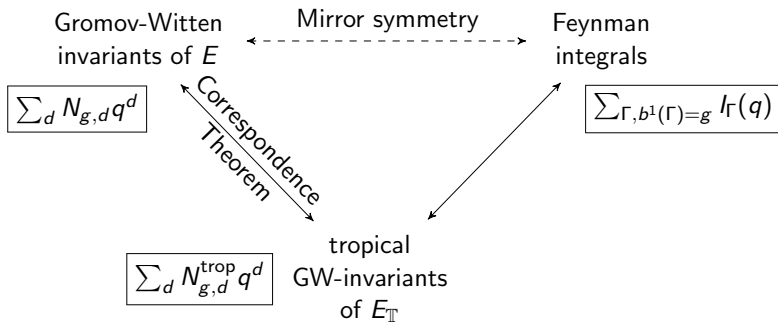
Gromov-Witten invariants of E

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Gromov-Witten invariants of E

Counts of ramified covers of an elliptic curve E satisfying fixed ramification data.



Gromov-Witten invariants of E

Counts of ramified covers of an elliptic curve E satisfying fixed ramification data.

The main theorem (arXiv:1809.10659):

Theorem (Böhm, G., Markwig)

*We can express the series of **descendant** Gromov–Witten invariants of $E_{\mathbb{T}}$ in terms of Feynman integrals **with vertex contributions**.*

and its application:

Theorem (Böhm, G., Markwig)

The generating series of Gromov–Witten invariants of $E \times \mathbb{P}^1$ equals a sum of Feynman integrals.