

# Generalized Airy Functions and Givental's R-matrices for Projective Spaces and Witten's Class

*lundi 12 juillet 2021 15:00 (1 heure)*

We call generalized Airy functions particular solutions of the differential equations  $f^{(n)}(x) = x^a f(x)$ . We show that asymptotic expansions of generalized Airy functions contain coefficients of Givental's R-matrices both for Gromov-Witten invariants of projective spaces and for Witten's r-spin classes. Joint work with Sybille Rosset.

## Summary

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