

## The Mathematics of Quantum Theory



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## M-theory and DT-theory

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This will be a report on a joint work with Nikita Nekrasov (arXiv:1404.2323), the goal of which is to find an exact match between the M2-branes contributions to the M-theory index and computations in K-theoretic Donaldson-Thomas theory of 3-folds.

**Primary author:** Prof. OKOUNKOV, Andrei (Colombia)

**Presenter:** Prof. OKOUNKOV, Andrei (Colombia)