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**Alexei Oblomkov\*** (oblomkov@math.princeton.edu), Fine Hall, Washington Rd, Princeton, NJ 08544, and **Andrei Okounkov**, Fine Hall, Washington Rd, Princeton, NJ 08544. *On GW/DT correspondence with descendants*. Preliminary report.

We present the exact statement of the conjectural correspondence between the gravitational descendants of GW theory of the threefold and the integrals of the characteristic classes of the universal ideal sheaf over the DT virtual cycle of the threefold. The conjecture is known to hold for some classes of  $P^1$  fibrations (joint with A. Okounkov) (Received February 01, 2009)