

REVIEW OF “ON TOPOLOGICAL APPROACH TO LOCAL THEORY OF SURFACES IN CALABI-YAU THREEFOLDS”

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fff study the case that X is the total space of the canonical line bundle over a smooth projective surface S which satisfies a specific condition. In this case, a modified Donaldson-Thomas theory of X is computed by the Seiberg-Witten theory on S and some invariants of “nested Hilbert schemes” on S . The formula is given explicitly.