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Gromov-Witten Invariants and Counting Holomorphic Curves in Calabi-Yau Threefolds

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I'll describe the main constructions in GW theory, from the viewpoint of algebraic geometry and analysis (symplectic geometry). will give some examples of the computations. these are done around 96-2000. then I'll talk about Gopakumar-Vafa conjecture and will describe some of the efforts in that direction. At the end, I'll report (very briefly) on a construction of mine which is related to Gopakumar-Vafa conjecture. I have prepared a first draft powerpoint file for this one which I can send you in a couple of days (can I use powerpoint?)