

In symplectic 4-manifolds there are two kinds of Gromov-Witten invariant; both are counts of holomorphic curves. Taubes' GW invariants are related to the Seiberg-Witten invariants and give a geometric representative of the canonical class, while the GW invariants of Ruan and Tian are better suited for analysis. By using features of both, we prove, quite easily and generally, that the only non-zero GW invariants are those that represent a component of the canonical class. (This is joint work with Junho Lee).