1016-58-294   **Thomas H Parker*** (`parker@math.msu.edu`), Dept. of Mathematics, East Lansing, MI 48824, and **Junho Lee** (`parker@math.msu.edu`), Dept. of Mathematics, East Lansing, MI 48824.
Gromov-Witten Invariants via Deformations of Kahler Surfaces.

On a compact Kähler surface, each holomorphic section of the canonical bundle provides, in a canonical way, a deformation to a non-integrable almost complex structure. These deformations partially regularize the space of holomorphic maps. This provides insight into the question of what geometric information is encoded in the Gromov-Witten invariants and leads to a "structure theorem"' for the Gromov-Witten invariants for Kähler surfaces with $p_g > 0$. (Received February 14, 2006)