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Title: Geometry of Section-bundle system (SBS)

Abstract: A new geometrical object (SBS) is defined whose structure is closely related to Topological field theory, Mirror symmetry and CY/LG correspondence. As an example, the SBS given by a holomorphic function will be discussed. Based on the spectrum theory of Schrodinger operators, We can construct the tt^* -bundle structure (and so a harmonic Frobenius manifold structure by Hertling, Sabbah or Harmonic Higgs bundle structure by Simpson). This provides a bridge between the singularity theory and the nonlinear sigma-model of the related Kaehler manifolds. The definitions and properties discussed here are based on the work of physicists, Witten, Cecotti, Vafa and the others.