1019-58-25 **Brett D Parker*** (`parker@math.mit.edu`). *Exploded Torus Fibrations.* Preliminary report.

Invariants defined by holomorphic curves are a powerfull tool in syplectic topology. One technique is to consider a degenerating family of complex structures and recover these invariants from limiting information. The category of exploded fibrations is an extension of the smooth category in which some of these degenerations are well behaved. I will describe the relationship of this with symplectic field theory and tropical geometry. (Received July 18, 2006)