

**RADIATIVE HEATING AND VORTEX GENERATION
FOR HURRICANE DESTRUCTION AND MITIGATION**

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ABSTRACT. Finding an alternative to one of the most disruptive and destructive events in nature, hurricanes, is the basis of this paper. Building a mega-mirror to focus solar energy onto an existing hurricane could lead to significant modification of its scale and energy distribution and subsequent quieting of its destructive results. The idea of radiative heating within the hurricane torus using vortex generation is the mechanism that can overcome the semi-steady state nature of a hurricane.