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A Brief History of Laser Guided Lightning Discharge Models and Experiments

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Abstract: Laser guided **lightning** discharge uses lasers instead of rockets to trigger **lightning**. Artificially triggered **lightning** has several important applications including aerospace vehicle launch protection and electrical power line transmission protection, among others. A brief history of the theoretical models used to predict triggered **lightning**, the experimentation completed with rocket triggered **lightning**, and the work completed on laser guided **lightning** discharge is presented. A bibliography of work related to **lightning** modeling, rocket-triggered **lightning**, and laser-triggered **lightning** is also included.

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