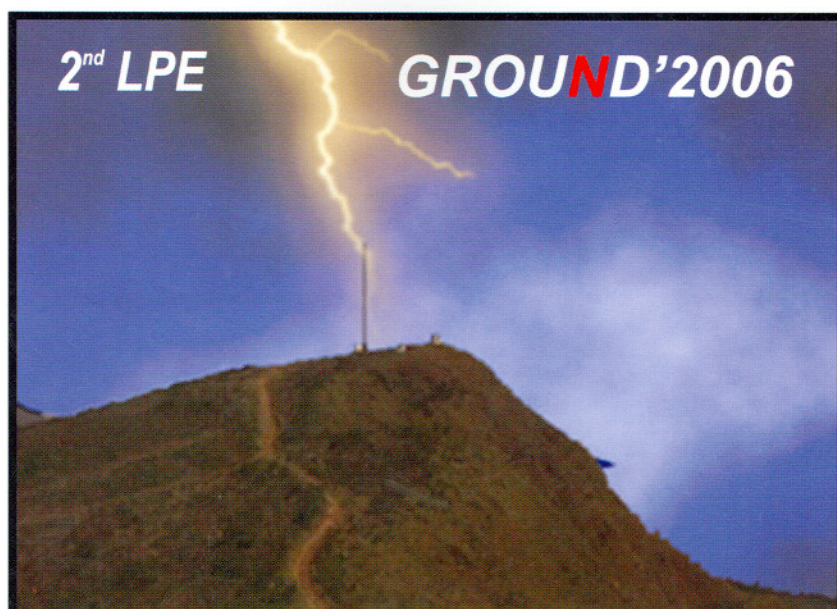


Conference Proceedings



Morro do Cachimbo Station - LRC - Brazil

GROUND'2006

*International Conference on
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2nd LPE

*International Conference on
Lightning Physics and Effects*

November 26-29, 2006

Maceió - Brazil

SB-RAI: Brazilian Society for Electrical Protection
Lightning, Earthing and EMC

LRC - Lightning Research Center
UFMG - CEMIG

ELAT - Atmospheric Electricity Group
INPE

GROUND'2006
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International Conference on Grounding and Earthing
&
2nd international Conference on
Lightning Physics and Effects
Maceió – Brazil November, 2006

**LIGHTNING CURRENT CHARGE ESTIMATION BY THE
ANALYSIS ON THE DAMAGES IN METALLIC ROOFS**

Hélio Eiji Sueta¹ Normando V.B. Alves² José Aquiles B. Grimoni¹ Geraldo F. Burani¹
Instituto de Eletrotécnica e Energia da USP¹ Termotécnica Proteção Atmosférica² - Brazil

Abstract :

This work presents a way to estimate the charge of a lightning discharge by the analysis of the damages on metallic sheets under this discharges using the anode-cathode voltage drop model, laboratory simulated damages and an actual case study of a metallic roof perforation due to of a lightning discharge.