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UTTL: Contributions of the low-latitude boundary layer to the finite width
magnetotail convection model

AUTH: A/SPENCE, HARLAN E.; B/KIVELSON, MARGARET G. PAA: A/(Aerospace Corp.,
Space and Environment Technology Center, Los Angeles, CA); B/(California
Univ., Los Angeles)

CORP: National Aeronautics and Space Administration, Washington, DC.

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MAJS: /*ATMOSPHERIC BOUNDARY LAYER/*CONVECTION/*MAGNETOSPHERE-IONOSPHERE
COUPLING/*MAGNETOTAILS/*PLASMAS (PHYSICS)

MINS: / IONOSPHERIC DRIFT/ MAGNETIC FLUX/ MATHEMATICAL MODELS/ PLASMA
INTERACTIONS

ABA: AIAA

ABS: The finite tail width model of magnetotail plasma sheet convection has
been extended in order to characterize the steady-state convection
process. The model assumes uniform plasma sources and accounts for both
the duskward gradient/curvature drift and the earthward $E \times B$ drift of
ions in a 2D magnetic geometry. A secondary source of plasma originating
in the dawnside low-latitude boundary layer (LLBL) is added. Model results

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Contributions of the Low-Latitude Boundary Layer to the Finite Width Magnetotail Convection Model

31 December 1993

Prepared by

H. E. SPENCE
Space and Environment Technology Center
The Aerospace Corporation

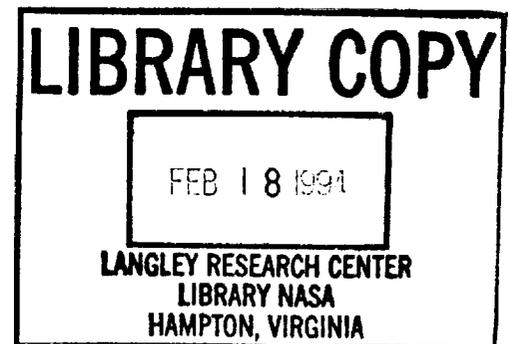
and

M. G. KIVELSON
Department of Earth and Space Sciences and
Institute of Geophysics and Space Physics
University of California, Los Angeles

Prepared for

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(NASA-CR-196116) CONTRIBUTIONS OF
THE LOW-LATITUDE BOUNDARY LAYER TO
THE FINITE WIDTH MAGNETOTAIL
CONVECTION MODEL (Aerospace Corp.)
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