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

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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

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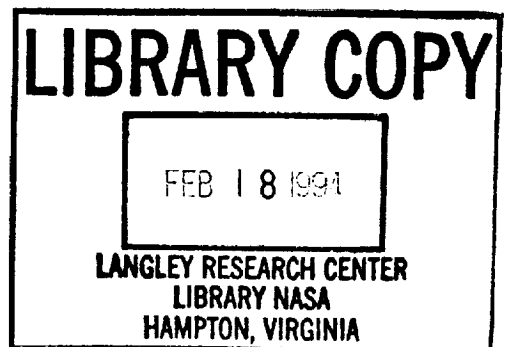
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Prepared for

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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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