



DYNAMICS OF ACOUSTIC GRAVITY WAVES AND THEIR ROLE IN THE GENERATION OF ATMOSPHERIC IONOSPHERIC DISTURBANCES

[1] Kherani E.A.

[1] *National Institute for Space Research (INPE), São José dos Campos, Brazil*

ABSTRACT

In this work, genesis of Acoustic Gravity Waves (AGWs) from varieties of sources and their effects on the Atmosphere/Ionosphere, will be discussed. Results from Number of Numerical experiments (NEs) during seismic and convective weathers will be the focus of the presentation. These NEs offer glimpse of Atmospheric Ionospheric Disturbances produced during seismic and Convective activities. These NEs not only interpret observations but also open the possibility for early warning of natural hazards. Moreover, they also fill the gap in space at locations where observations are not available.