



## **Ground signatures of geomagnetic pulsations during geomagnetic storm**

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Ground magnetic data during geomagnetic storm on 27<sup>th</sup> October 2003 have been analyzed in the appropriate frequency band to get the signatures of geomagnetic pulsations. Band passed data ( 10 s – 100 s) were subjected to spectral analysis to resolve the dominant frequency during the event. The observations were then subjected to theoretical analyses to derive the underlying physics. An attempt has also been made to resolve the driving mechanism for the observed pulsations.