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## Signatures of possible trinni event during quiet geomagnetic conditions

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A study of a single event to investigate signatures of possible trinnis event during quiet geomagnetic conditions. One of the signatures of trinni event is the high-speed flows, which were interpreted to be associated with the release of energy from a rapid reconfiguration of tail magnetic field lines due to magnetic reconnection. This type of event is known to be “trinni” event, using the SuperDARN data from the northern and southern hemisphere. Then objective of this case study is to identify signatures of trinni event, using the SuperDARN data from the northern and southern hemisphere. The study presents the situation where the y-component of the interplanetary magnetic field (IMF) dominates over the z-component, the directions of both the high speed flows and the underlying convection pattern depend on the direction of the IMF By-component. The assumption both non-substorm interval and quiet condition are justified by the magnetometer, GOES satellite data, geomagnetic indices, and the observations are discussed in relation to magnetic reconnection in the magnetotail.

### Apply to be considered for a student ; award (Yes / No)?

N/A

### Level for award;(Hons, MSc, PhD, N/A)?

N/A

### Consent on use of personal information: Abstract Submission

Yes, I ACCEPT

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