

A SIMPLE METHOD FOR DETERMINING THE LOCAL INCLINATION OF THE INTERPLANETARY CURRENT SHEET

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A method which allows to determine the local inclination of the Interplanetary Current Sheet has been developed. The method uses magnetic field measurements acquired during current sheet crossings. In GSE coordinates, the temporal variation of these components for an "ideal" crossing, i.e.: that with the current sheet on the ZX plane, has been work out. Assuming that the measured magnetic field has the same structure but rotated respect to the "ideal" crossing, an estimation of its local inclination has been obtained.