

Arc Polarized **Discontinuities** in the Solar Wind:
Ulysses

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We make further examination of the properties of rotational **discontinuities** over the **heliospheric** poles, $+80^\circ$ and -80° latitudes. We discuss the polarizations of the **discontinuities** relative to the ambient magnetic field and the solar wind velocity. The relationship of **all** RDs (regardless of polarization) with regard to **Alfvén** waves will be discussed. We will show that the **Alfvén** waves are **phase-steepened** with the RDs representing the phase-steepened front. We present a model explaining these waves as spherical waves with arc polarization. The direction of propagation will be discussed.

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4. **SPA/SH**

5. a)

b) 7811 **discontinuities**;
7524 magnetic fields

6. Oral

7. 20%

8. \$50 check

9. Contributed