

Orientation of the DIDD magnetometer

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A b s t r a c t: A method is proposed which allows to orient the DIDD reference frame using simultaneous standard absolute measurements and DIDD measurements. The solution is unique under the constraints D-coil axis horizontal and D and I-coils axes orthogonal. The influence of departures of the physical DIDD reference frame from these assumptions are investigated using synthetic data.

Key words: DIDD reference frame, orientation, absolute measurements, rotation

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