Geophysical Research Abstracts, Vol. 7, 10502, 2005 SRef-ID: 1607-7962/gra/EGU05-A-10502 © European Geosciences Union 2005



Reflections on the present view of the branch of geodesy and its tie to mathematical and physical foundations

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The purpose of the papers is to illustrate first the position of mathematics and physics in the theoretical foundations of geodesy, including its encyclopedic presentation and development in time. Subsequently, this picture and other individual examples are combined with some position documents existing in the field. The paper then offers and integral view and shows how it mirrors together with its impact in education, university curricula and geodetic research.