

SOME ASPECTS ABOUT IMPROVING THE ACCURACY LEVEL OF GPS APPLICATIONS

A. TOMA¹

I. POPESCU²

Abstract: *To obtain accuracy levels on the order of one to 10 meters, the differential correction is essential. The three main methods currently used for ensuring data accuracy are the real-time differential correction, the reprocessing real-time data, and the post-processing. Every method will achieve similar levels of accuracy, so the decision regarding which technique is appropriate will depend on factors such as project specifications, the end use of the data, and the sources available for differential correction.*

Key words: *precision, real-time, errors, accuracy, atomic clock, differential correction.*

¹ Central Library of Transilvania University of Braşov.

² Manufacturing Engineering Dept., Transilvania University of Braşov.