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Determination of Vertical Movements by GPS and Absolute Gravity Measurements in the Tatra Mountain

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The Determination of Earths relative surface movements by GPS technology are very effective in the mountain areas, but accuracy of vertical information is two times worse than horizontal. For testing of relative vertical movements, determined by GPS measurement, we used repeated absolute gravity measurements on two points in the area of the Tatra Mountain. The poster presents results of relative velocity determined by GPS and absolute gravity measurements.