

Sub-centimeter Displacements Monitoring of Engineering Objects Applying GPS-RTK Technique

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SUMMARY

Determination of geometrical characteristic of engineering objects is necessary to their safe exploitation. Modern terrestrial and satellite measuring techniques give possibility to monitor engineering objects in real time and to generate their dynamical models. The idea how to take advantage of kinematic satellite GPS-RTK measurements on the upper reservoir EW "Żarnowiec" is presented in the paper. Authors proposed the method to detect few-millimeters movements applying GPS-RTK technique.

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