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Monitoring of construction shape changes using reflectorless techniques

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Monitoring measurements of changes in object's geometry are necessary to ensure the safety of an object. This paper presents the results of the investigation of the changes of the multilayer walls of the building using reflectorless techniques. Results were analyzed in Convert 3D software and presented graphically in Surfer 8 software. Contour maps and isometric projections of the walls deformations as well as 3D surfaces rendered with overlaid photos as a textures are an element of this elaborate.

This paper presents the results of investigation of distance measurements accuracy according to the various reflection conditions.