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**FINITE ELEMENTS METHOD IN PLANE
AND IN SPACE FOR DEFORMATION ANALYSIS.**

CASE STUDIES

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SUMMARY

The finite elements method (FEM) in plane and the developed by the authors method in the space have been presented and applied for several case studies of surface earth movements. Comparative analysis and discussion of the resulting deformations have been accomplished and conclusions have been done.

Key words: finite elements method, principle deformations, surface earth movements, GNSS

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