



determination of deformation network Displacement by neural network

T. Yousefzadeh (1), S. Farzaneh (1), and S. Mirboroon (2)

(1) Department of surveying and geomatics engineering, University of Tehran, Tehran, Iran, (2) Department of geodesy and geomatics engineering, Khaje Nasir Toosi University, Tehran, Iran

Control point determination in two time epochs is one of the most important issues in deformation networks. In this paper we propose a new method to detect deformation of geodetic network points by using neural networks. In this method we do not need to use control points and do some conventional tests in classical deformation detection methods. The results have shown a good agreement with traditional methods.

Keyword: Neural network, deformation network, control point