



Application of GNSS in seismology

Jan Kostelecky (1,2,3) and Jakub Kostelecky (1)

(1) Research Institute of Geodesy, Topography and Cartography, Geodetic Observatory Pecny, Ondrejov, Czech Republic (kost@fsv.cvut.cz), (2) Faculty of Mining and Geology, TU Ostrava, CZ-708 33 Ostrava, (3) Faculty of Civil Engineering, CTU in Prague, K152, CZ-166 29 Praha

This presentation describes, at first, one method of using GNSS permanent observations to determine post-seismic shift of GNSS station. Results are usable for determination of the tectonic model of region where earthquake occurs. Second part describes the cooperation in GNSS-seismology between Research Institute of Geodesy, Topography and Cartography, Department of Geophysics Faculty of Mathematics and Physics in Prague and Patras University (Greece).