

The ground deformations in the Ojiya City accompanied with the 2004 Mid-Niigata Prefecture earthquake.

kyohhei Iwashita[1]; Kenta Kobayashi[1]; Tsuyoshi Toyoshima[1]; Hiroyuki Otsuka[1]

[1] Grad. Sch. Sci. & Tech., Niigata Univ.

The Mid-Niigata Prefecture (M6.8) occurred on October 23, 2004. We surveyed active fault in and around aftershock area. But they didn't moved it the time of the earthquake. In contrast, conspicuous destruction of buildings and ground deformations were recognized in another areas.

The Ojiya City is one of these areas. In the city, conspicuous deformations are concentrated in narrow zones trending NNE-SSW. It shows the weak surfaces (faults, geological boundaries, etc) under the ground.