

**Deformation in the northern margin of the Mino Belt, Hida Mountainland, central Japan**

# Masakazu Niwa[1], Shiro Tanaka[1], Kazuhiro Tsukada[2]

[1] Earth and Planetary Sci., Nagoya Univ., [2] Nagoya Univ. Museum

Remarkable shear zone which is composed mainly of protocataclasite to ultracataclasite is occurred along the northern margin of the Mino Belt in the Hida Mountainland central Japan. The shear zone in the western part of studied area has E-trending and S-dipping foliations, and S- to SW-dipping medium angle lineations. Whereas, that in the eastern part has N-trending and W-dipping foliations, and SW-dipping medium angle lineations. Asymmetric structures in the shear zone show sinistral sense of shear. It is considered that the sinistral shearing was occurred in Cretaceous time. The sinistral shearing in the northern margin of the Mino Belt might has a close relation to the Cretaceous grade sinistral movement along the eastern margin of Asia.