

## Paleostress study with the multiple inverse method using fault-slip data from southern end of Miura peninsula

KUSUHARA, Fumitake<sup>1\*</sup> ; TANAKA, Hidemi<sup>1</sup>

<sup>1</sup>The University of Tokyo

Kenzaki anticline, which is ~8km along with a E-W trend, is located at the south end of Miura peninsula, Kanagawa prefecture. Around Kenzaki anticline, some researches on paleostress have been done using the conjugate fault method (Kodama, 1968; Kuniyasu, 1980). However, new methods which solved the theoretical problems of the conjugate fault method have not been applied to Kenzaki anticline area. In this study, the multiple inverse method(Yamaji, 1999) is applied to the fault-slip data from limbs of Kenzaki anticline and some paleostresses are detected. The order of these paleostresses and its relation to the formation of Kenzaki anticline are considered from the result of this method and cross cutting relation among observed faults.