

U-Pb dating of detrital zircons in the arkosic sandstone of the Fukawa Formation, Boso Peninsula, central Japan

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It is known that the arkosic sandstone, called the Fukawa Formation, occurs in the Boso Peninsula, central Japan. The Fukawa Formation has been correlated to the Lower Miocene Hota Group in the southern part of the Boso Peninsula, however, we have reported the modal composition of the sandstone and chemistry of detrital garnet and chromian spinel obtained from the Fukawa Formation and the Hota Group, and pointed out that their provenances are different from each other. We newly analyzed the radiometric dating of detrital zircons from the Fukawa Formation using U-Pb method, and discuss their provenance.