

Late Quaternary Crustal Movement around Kanto Mountains, Japan

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The Kanto mountains is located at western Kanto district, Japan. Crustal movement around Kanto mountains is estimated using relative height of river terraces. The main results are summarized as follows,

(1)The Kanto mountains are upwarping and active faults do not play important part in the uplift of the Kanto mountains.

(2)In marginal area of the Kanto mountains, the uplift rate of the mountains deduced from the relative height of river terraces is nearly equal to the uplift rate of them estimated from the altitude of low relief surface. In center area of the Kanto mountains, the low relief surface is lost.

(3)The basining in the central part of the Kanto Plain has continued during the Quaternary. The tendency of subsidence, however, has turned to the uplift tendency around 0.5 Ma.