

Hypothesis, The plate moves by the same principle as the ultrasonic motor.

Yoichi Kodama[1]

[1] none

The ground is moving vertically about 30cm twice a day. And, the horizontal movement from 3 to 4cm is confirmed. That is, the oval moves. It is thought that Progressive wave caused by the earth tide propagates the plate when the plate is caught as an elastic body. This Progressive wave causes an elliptic rotary motion in the contact surface of the plate on the boundary (friction contact surface) between the plate and mantle. Then the elliptic horizontal axis moves the plate in the direction contrary to Progressive wave. This power influences all plates, and slightly always moves to east from west each plate. The each plate is having different speed caused by the thickness. As for the plate, the speed is different according to the difference of the thickness. Knocking against each other, the separation, and rubbing each other are caused on the boundary side. That is, it is a motive power to which the earth tide caused by the moon and the sun moves the plate.