CLAIMS

[Claim 1]

A measurement device that measures an angular velocity or an acceleration of a two-wheel vehicle, the measurement device comprising:

a main detection unit that detects a three-axis angular velocity or a three-axis acceleration;

a support unit capable of supporting the main detection unit on the body of the two-wheel vehicle; and

a correction unit that cancels a tilt of the body in a leftward-rightward direction without canceling a tilt of the body in a forward-backward direction with respect to the main detection unit.

[Claim 2]

The measurement device according to claim 1,

wherein the correction unit is a pendulum mechanism that is provided in the support unit to make the main detection unit oscillatable in the leftward-rightward direction with respect to the body.

[Claim 3]

The measurement device according to claim 1 or 2, wherein the correction unit includes

a tilt detection unit that detects the tilt, and

a correction calculation unit that corrects a detection value detected by the main detection unit on the basis of the detected tilt.

[Claim 4]

The measurement device according to any one of claims 1 to 3,

wherein the support unit includes a damping mechanism that damps a vibration from the body.

[Claim 5]

A program for a computer of a measurement device that measures an angular velocity or an acceleration of a two-wheel vehicle, and includes a main detection unit that detects a three-axis angular velocity or a three-axis acceleration; a support unit capable of supporting the main detection unit on the body of the two-wheel vehicle; and a tilt detection unit that detects a tilt of the body in the leftward-rightward direction, the program causing the computer to function as

a main detection acquisition unit that acquires a detection value detected by the main detection unit,

a tilt acquisition unit that acquires a tilt detected by the tilt detection unit, and

a correction calculation unit that corrects the detection value detected by the main detection unit on the basis of the detected tilt, and cancels the tilt of the body in a leftward-rightward direction without canceling a tilt of the body in a forward-backward direction.