

## ABSTRACT

ANIMAL MONITORING SYSTEM, ANIMAL MONITORING SERVER, ANIMAL MONITORING METHOD, ANIMAL MONITORING PROGRAM, AND RECTAL TEMPERATURE ESTIMATION MODEL

Provided are an animal monitoring system, an animal monitoring server, an animal monitoring method, an animal monitoring program, and a rectal temperature estimation model capable of accurately estimating a rectal temperature of a monitored animal such as a pet without causing the animal to feel annoying. An animal monitoring system 1 capable of estimating a rectal temperature of a monitored animal 6 includes: a body surface temperature detection unit 500 attached to the monitored animal 6 and configured to detect a body surface temperature of the monitored animal 6; and a rectal temperature estimation unit 210 configured to estimate the rectal temperature of the monitored animal by applying the body surface temperature detected by the body surface temperature detection unit 500 to a rectal temperature estimation model that receives, as rectal temperature training data, a combination of the body surface temperature of the monitored animal 6 and the rectal temperature of the monitored animal 6, and outputs the rectal temperature of the monitored animal 6 from the body surface temperature of the monitored animal 6 by machine learning using the rectal temperature training data. (No suitable fig.)