

Abstract

This prediction model creation device is for creating a prediction model for predicting positioning errors indicating errors in positions measured by a satellite positioning system. The prediction model creation device performs calculation on the basis of a probability distribution of positioning errors, calculates an evaluated value on the basis of a failure rate that indicates a possibility of occurrence of misrecognition with respect to each position measured by the satellite positioning system and that is based on a predicted value predicted by the prediction model and on the basis of an observation failure rate calculated on the basis of a function and the number of times of observation for each positioning error, and performs learning to obtain a prediction model such that the evaluated value becomes an optimal value.