

[ABSTRACT]

[Title of Invention]

DIOPTER VALUE PREDICTION SYSTEM, DIOPTER VALUE PREDICTION
METHOD, AND PROGRAM

In order to achieve an object to quantitatively predict future diopter values, a diopter value prediction system (1) includes an input means (2) for inputting Db (current diopter value), Age (age), Sex (sex), and RL (right/left eyeball); a calculation means (3) for predicting a diopter value (Da) after elapse of interval (time) on the basis of Db (current diopter value) and Age (age); a storage means (4) for storing a prediction formula for future diopter values and table values; and an output means (5) for outputting the predicted diopter values and outputting diopter values for recommended glasses based on the predicted diopter values.

$$Da = \beta_0 + \beta_1 \text{Age} + \beta_2 \text{Age}^2 + \beta_3 \text{Age}^3 + \beta_4 \text{Age}^4 + \beta_5 \text{Db} + \beta_6 \text{Sex} \\ + \beta_7 \text{RL}$$

FIG. 1