ABSTRACT

METHOD AND APPARATUS FOR OPTIMIZING PERFORMANCE PARAMETERS OF DATABASE, AND ELECTRONIC DEVICE

A method and apparatus for optimizing performance parameters of a database, and an electronic device. The method includes: inputting each structured query language (SQL) statement in an SQL statement set into an initial database and outputting operation data of each SQL statement to obtain a first data set (S102); performing classification and aggregation on the first data set to obtain operation data of each type of SQL statements, and calculating a comprehensive evaluation index value for each type of SQL statements (S104); analyzing a complete parameter set of the initial database according to the first data set to obtain a first parameter set requiring optimization (S106); inputting comprehensive evaluation index values of all types of SQL statements and the first parameter set into a prediction model to obtain a second parameter set initially optimized (S108); and performing multiple iterative optimizations on the second parameter set using the initial database and the prediction model to obtain an optimal parameter set of the initial database (S110).

[FIG. 1]