

ABSTRACT

This application provides a memory refresh technology and a computer system. The memory refresh technology is applied to a computer system including a memory controller and a dynamic random access memory DRAM. According to the memory refresh technology, the memory controller receives access requests. The memory controller refreshes a first rank in the plurality of ranks at a T/N interval when a quantity of target ranks of access requests received within a first time period is less than a specified first threshold and a proportion of read requests or write requests in the access requests is greater than a specified second threshold. T is used to indicate a standard average refresh interval, and N is an integer greater than 1. The memory refresh technology provided in this application can improve performance of the computer system in a memory refresh process.

FIGURE 3