

METHOD FOR MIGRATING MEMORY DATA AND RELATED DEVICE

ABSTRACT

A method for migrating memory data and a related device are disclosed, and relate to the computer field. The method includes: in a scenario in which a processor in a computer device
5 accesses memory media in an interleaving manner, sampling a plurality of memory channels according to a sampling strategy; determining, based on access frequencies of interleaved data blocks in sampled memory channels, access frequencies of pages in which the interleaved data blocks are located in the memory media, to determine access temperatures of the pages based on the access frequencies of the pages; and triggering data migration based on the access temperatures.
10 All access frequencies of the pages are determined based on some access frequencies of the pages. This improves accuracy of the access frequencies of the pages in which the interleaved data blocks are located, and reduces an amount of statistical data of the access frequencies of the pages, so that the processor can obtain the access frequencies of the pages as quickly as possible, and when data migration is triggered based on the access temperatures of the pages, a data processing speed of a
15 system is improved, and a data processing delay is reduced.

FIG. 4