

the window of at least one first application is currently displayed on the desktop. In some embodiments, a white list for storing the task IDs of the first applications is preset, and the task IDs of the foreground applications can be intersected with the white list to determine whether the first application is the foreground application. Similarly, the white list and the task list are intersected to determine whether the task list contains the task ID of the first application. In some embodiments, whether the task list contains the task ID of the first application can also be determined according to the length value of the task list; if the length value of the task list is greater than or equal to 1, it indicates that the task list contains at least one task ID; and if the length value of the task list is equal to 0, it indicates that the task list does not store any task ID corresponding to the first application. Therefore, according to one or more embodiments of the disclosure, the number of task IDs of the first application in the task list can reflect the number of windows currently displayed on the desktop, and it is more accurate than only using the foreground application.

[0092] In an embodiment, the foreground application specifically refers to the current active application which is the application currently being processed by the system and whose view gets a focus. The focus refers to the position where the event is currently being processed. In some operating systems, the foreground of the system may run multiple application processes at the same time, but there is only one focus at a time. Therefore, given that a terminal may run multiple foreground applications at the same time, it is more convenient and accurate to determine whether the view of the first application is currently displayed on the desktop according to the current active application. Taking the Android system as an example, the current active application can be acquired through the Running Tasks List, and the uppermost application in the running tasks list is the current active application, which can be acquired through `list.get(0)`. In some embodiments, if the current active application is the first application, it is determined that the window of the first application is currently displayed on the desktop.

[0093] In some embodiments, when the first task includes the first control, step S101 may further include step D1 and step D2:

[0094] Step D1: a current active control of the terminal is acquired.

[0095] Step D2: whether the view of the first control is currently displayed on the desktop is determined according to the current active control.

[0096] And the current active control is the control that gets the focus on the desktop.

[0097] In some embodiments, if the current active control is the first control, it can be determined that the view of the first control is currently displayed on the desktop.

[0098] In some embodiments, if the current active control is not the first control, it can be determined that the view of the first control is not currently displayed on the desktop.