CLAIMS:

1. A switching method between running modes of an application program, comprising:

acquiring application power-saving information preset by a user, wherein the application power-saving information comprises a power-saving switching threshold and time in response to that the application program enters the application power-saving mode, the power-saving switching threshold refers to the remaining power of the terminal corresponding to the triggering time of switching the application program to the application power-saving mode;

detecting remaining power of a terminal installing the application program in a running process of the application program; and

determining whether to switch from a current running mode of the application program to an application power-saving mode according to the application power-saving information and the remaining power of the terminal, comprising: in response to that the application power-saving information preset by the user and the remaining power of the terminal meet an application program running mode switching condition, determining to switch from the current running mode to the application power-saving mode, wherein the application program running mode switching condition comprises the current remaining power of the terminal being less than the power-saving switching threshold, and the current time reaching the time preset by the user

for the application program to enter the application power-saving mode; and

after determining to switch from the current running mode of the application program to the application power-saving mode, adjusting running parameters of a target function associated with the application program, wherein the target function comprises a native function of the application program.

2. The switching method according to claim 1, further comprising, before the acquiring application power-saving information preset by a user:

displaying a setting page in the application program; and

determining the application power-saving information preset by the user according to a setting operation of the user on the setting page.

3. The switching method according to claim 2, wherein the displaying a setting page in the application program comprises:

in the running process of the application program, in response to that the remaining power of the terminal is less than a prompt threshold, displaying power-saving prompt information on a current display page of the application program; and

according to a touch operation of the user on the power-saving prompt information, switching from the current display page to the

setting page in the application program.

4. The switching method according to claim 3, wherein the displaying a setting page in the application program further comprises:

in response to that a touch operation of the user on the power-saving prompt information is not detected within a preset time, removing the power-saving prompt information from the current display page.

5. The switching method according to claim 1, wherein the target function comprises a native function of an operating system of the terminal.

6. The switching method according to claim 5, wherein the adjusting running parameters of a target function associated with the application program comprises:

sending an adjustment instruction to the operating system of the terminal, wherein the adjustment instruction is used for instructing the operating system of the terminal to adjust running parameters of the native function of the operating system of the terminal.

7. The switching method according to claim 1, further comprising:

after determining to switch from the current running mode of the

application program to the application power-saving mode, in response to that it is detected that the terminal is in a charging state, switching from the application power-saving mode to a non-power-saving mode.

8. The switching method according to claim 1, wherein the determining whether to switch from the current running mode of the application program to the application power-saving mode according to the application power-saving information and the remaining power of the terminal comprises:

in response to that the application power-saving information preset by the user and the remaining power of the terminal do not meet the application program running mode switching condition, the application program determining not to execute the switching between modes.

9. The switching method according to claim 5, wherein:

the application program comprises a video editing application program;

the native function of the application program includes at least one of: a network data transmission function, a data cleaning function, a multimedia data editing function, a multimedia data playing function or a page rendering function; and

the native function of the operating system of the terminal includes at least one of a positioning function or a detection function depending on a sensing device.

10. The switching method according to claim 9, wherein the adjusting running parameters of a target function associated with the application program comprises:

adjusting the running parameters of the target function according to an adjustment priority of the target function associated with the application program.

11. The switching method according to claim 10, wherein the adjusting the running parameters of the target function according to an adjustment priority of the target function associated with the application program comprises:

analyzing use frequencies of the user for different target functions by collecting operation data in a process of using the application program by the user; and

determining adjustment priorities of the different target functions according to the use frequencies of the user for the different target functions, wherein the lower the use frequency is, the higher the adjustment priority is.

12. The switching method according to claim 10, wherein the

adjusting the running parameters of the target function according to an adjustment priority of the target function associated with the application program comprises:

in response to that the remaining power of the terminal is less than a first grade threshold, adjusting running parameters of a function belonging to the first adjustment grade in the target functions, wherein the function belonging to the first adjustment grade comprises at least one of multimedia data playing function, positioning function, page rendering function or network data transmission function;

in response to that the remaining power of the terminal is less than a second grade threshold, adjusting running parameters of a function belonging to the second adjustment grade in the target functions, wherein the function belonging to the second adjustment grade comprises at least one of data cleaning function, multimedia data editing function or detection function depending on sensing device, and the second grade threshold is less than the first grade threshold.

13. The switching method according to claim 9, wherein:

in response to that the target function is the network data transmission function, the adjusting the running parameters of the target function associated with the application program comprises at least one of:

adjusting a frequency of data interaction with a server to be less than an interaction threshold; or

adjusting a bit rate of multimedia data acquired from the server to be less than a bit rate threshold; and/or,

in response to that the target function is the data cleaning function, the adjusting the running parameters of the target function associated with the application program comprises: adjusting a frequency of application data cleaning to be less than a cleaning threshold; and/or,

in response to that the target function is the multimedia data editing function, the adjusting the running parameters of the target function associated with the application program comprises

disabling running a target editing algorithm, wherein the target editing algorithm comprises at least one of a filter adding algorithm, a prop adding algorithm or a special-effect adding algorithm; and/or,

in response to that the target function is the multimedia data playing function, the adjusting the running parameters of the target function associated with the application program comprises at least one of:

adjusting playing brightness of the multimedia data to be less than a brightness threshold; or

adjusting playing volume of the multimedia data to be less than a volume threshold; and/or,

in response to that the target function is the page rendering function, the adjusting the running parameters of the target function associated with the application program comprises at least one of:

adjusting the quantity of animation elements in a page rendering process to be less than a quantity threshold; or

switching the animation elements in the page rendering process into static elements.

14. The switching method according to claim 9, wherein:

in response to that the target function is the positioning function, the adjusting the running parameters of the target function associated with the application program comprises at least one of:

in response to that it is determined that a positioning type of the terminal does not belong to target network positioning, adjusting the positioning type of the terminal to the target network positioning;

adjusting a calling frequency of the positioning function in the terminal to be less than a positioning calling threshold; or

adjusting a calling time of the positioning function in the terminal according to a running service type of the application program; and/or,

in response to that the target function is the detection function depending on the sensing device, the adjusting the running parameters

of the target function associated with the application program comprises at least one of:

adjusting a calling frequency of the detection function depending on the sensing device in the terminal to be less than a sensing calling threshold; or

according to a running service type of the application program, adjusting a calling time of the detection function depending on the sensing device in the terminal.

15. A switching apparatus between running modes of an application program, comprising:

an information acquisition module, configured to acquire application power-saving information preset by a user, wherein the application power-saving information comprises a power-saving switching threshold and time in response to that the application program enters the application power-saving mode, the power-saving switching threshold refers to the remaining power of the terminal corresponding to the triggering time of switching the application program to the application power-saving mode;

an power detecting module, configured to detect remaining power of a terminal for installing the application program in a running process of the application program; and

a mode switching module, configured to determine whether to switch from a current running mode of the application program to an

application power-saving mode according to the application power-saving information and the remaining power of the terminal, wherein the mode switching module is further configured to:

in response to that the application power-saving information preset by the user and the remaining power of the terminal meet an application program running mode switching condition, determine to switch from the current running mode to the application power-saving mode, wherein the application program running mode switching condition comprises the current remaining power of the terminal being less than the power-saving switching threshold, and the current time reaching the time preset by the user for the application program to enter the application power-saving mode; and

after determining to switch from the current running mode of the application program to the application power-saving mode, adjust running parameters of a target function associated with the application program, wherein the target function comprises a native function of the application program.

16. An electronic device, comprising:

a processor; and

a memory configured to store executable instructions of the processor;

wherein the processor is configured to read the executable instructions from the memory and execute the executable instructions

to implement the switching method between running modes of the application program according to any of claims 1 to 14.

17. The electronic device according to claim 16, further comprising:

a detection device, configured to detect remaining power of a terminal for installing the application program in a running process of the application program.

18. A computer-readable storage medium having therein stored a computer program which, in response to being executed by a processor, implements the switching method between running modes of the application program according to any of claims 1 to 14.