CLAIMS

1. An image processing method, comprising:

when an obtained first image comprises a human face, performing a first transformation process on the first image to obtain a second image;

determining, based on a first target face key point of the human face in the first image, a target position, in the first image, of a second target face key point of the human face in the second image;

performing a first movement process on the second image based on the target position; and

generating a target image based on the first image and the second image processed through the first movement process, and displaying the target image,

wherein the image processing method further comprises:

subsequent to said performing the first movement process on the second image based on the target position, performing a second movement process on the second image processed through the first movement process based on a predetermined movement trajectory;

wherein the generating the target image further comprises <u>generating the target image based on the first image and the second image processed through the first movement process and the second movement process;</u>

wherein the image processing method further comprises: subsequent to the performing the first movement process on the second image based on the target position, adding target additional information to a predetermined position of the second image processed through the first movement process to obtain a fifth image; and

wherein the generating the target image based on the first image and the second image processed through the first movement process further comprises: generating the target image based on the first image and the fifth image.

2. The method according to claim 1, wherein said performing the first transformation process on the first image to obtain the second image comprises:

performing a feature transformation process on respective first facial features of the human

face in the first image to obtain respective second facial features matching a human face of a predetermined age group, and determining an image of a human face containing the respective second facial features as a third image; and

performing a cutout process on the third image based on a predetermined portrait mask, and determining an image obtained through the cutout process as the second image.

3. The method according to claim 1, further comprising, prior to said performing the first movement process on the second image based on the target position:

adding additional information corresponding to a facial feature to the second image,

wherein said performing the first movement process on the second image comprises: performing the first movement process on the second image added with the additional information corresponding to the facial feature.

4. The method according to any one of claims 1 to 3, wherein:

the first target face key point comprises a 44-th face key point and a 16-th face key point of 106 face key points, and the second target face key point is the 44-th face key point of the 106 face key points; and

said determining, based on the first target face key point of the human face in the first image, the target position, in the first image, of the second target face key point of the human face in the second image comprises:

determining a direction vector from the 44-th face key point to the 16-th face key point of the human face in the first image; and

obtaining a first position point based on a predetermined displacement factor, the direction vector and the 16-th face key point of the human face in the first image in accordance with a first predetermined calculation formula, and determining the first position point as a target position, in the first image, of the 44-th face key point of the human face in the second image.

5. The method according to claim 4, wherein said performing the first movement process on the second image based on the target position comprises:

performing, based on a predetermined zoom-out factor, a zoom-out process on the second image taking the 44-th face key point of the human face in the first image as a face center point, to obtain a fourth image; and

performing a translation process on the fourth image based on the target position.

6. The method according to claim 1, wherein said performing the second movement process on the second image processed through the first movement process based on the predetermined movement trajectory comprises:

determining a time difference between a current time point and a movement start time point of the predetermined movement trajectory;

determining, based on the time difference from a predetermined movement set, a target displacement and a target rotation angle that correspond to the current time point, the predetermined movement set comprising displacements and rotation angles of the predetermined movement trajectory at a plurality of predetermined time points; and

determining, based on the target displacement and the target rotation angle, a movement position of the second image processed through the first movement process at the current time point, and determining that the second image processed through the first movement process continuously moves along the predetermined movement trajectory by taking the movement position as a movement start position.

7. An image processing apparatus, comprising:

a first processing module configured to perform, when an obtained first image comprises a human face, a first transformation process on the first image to obtain a second image;

a determining module configured to determine, based on a first target face key point of the human face in the first image, a target position, in the first image, of a second target face key point of the human face in the second image;

a second processing module configured to perform a first movement process on the second image based on the target position; and

a third processing module configured to generate a target image based on the first image and the second image processed through the first movement process and to display the target image,

wherein the apparatus further comprises a fourth processing module configured to perform a second movement process on the second image processed through the first movement process based on a predetermined movement trajectory;

wherein the third processing module is further configured to generate the target image

based on the first image and the second image processed through the first movement process and the second movement process;

wherein the apparatus further comprises a second addition module configured to add target additional information to a predetermined position of the second image processed through the first movement process to obtain a fifth image; and

wherein the third processing module is further configured to generate the target image based on the first image and the fifth image.

8. An electronic device, comprising:

a memory;

a processor; and

a computer program stored in the memory and executable on the processor,

wherein the processor, when executing the computer program, implements the method according to any one of claims 1 to 6.

9. A non-transitory computer-readable storage medium, having a computer program stored thereon, wherein the computer program, when executed by a processor, implements the method according to any one of claims 1 to 6.