

9. A method for controlling a handheld device comprising:

- generating an image on a viewable surface of the handheld device;
- detecting motion of the device within three dimensions;
- identifying components of the motion in relation to the viewable surface;
- identifying a base reference position;
- tracking the motion of the device in relation to the base reference position;
- modifying the image in response to the motion;
- detecting a predetermined pattern of motion of the device;
- maintaining the image without adjustment during the predetermined pattern of motion;
- detecting a completion of the predetermined pattern of motion; and
- resetting the base reference position upon detecting completion of the predetermined pattern of motion.

10. The method of claim 9, wherein the base reference position identifies a baseline orientation of the device, the baseline orientation represented by baseline components, the method further comprising tracking the motion of the device in relation to the base reference position by comparing the components of the motion with the baseline components.

11. The method of claim 9, wherein the base reference position associates a physical position with a virtual position in the image.

12. The method of claim 9, further comprising:

- maintaining a gesture database comprising a plurality of gestures each gesture defined by a motion of the device with respect to a first position of the device;
- maintaining a gesture mapping database mapping each of the gestures to a corresponding command;
- comparing movement of the device with respect to the base reference position against the gestures to determine a received gesture;
- identifying the corresponding command mapped to the received gesture; and
- executing the identified command to modify the image.

13. The method of claim 12, wherein the gesture database further defines each of the gestures using a sequence of accelerations.

14. The method of claim 9, further comprising determining a current position of the device in relation to the base reference position and to modifying the image based upon the current position of the device.

15. The method of claim 9, wherein the predetermined pattern of motion includes motion defined by a predetermined pattern of accelerations with respect to the base reference position.

16. Logic for controlling a handheld device, the logic embodied in a computer readable medium and operable when executed to perform the steps of:

- generating an image on a viewable surface of the handheld device;
- detecting motion of the device within three dimensions;

- identifying components of the motion in relation to the viewable surface;

- identifying a base reference position;

- tracking the motion of the device in relation to the base reference position;

- modifying the image in response to the motion;

- detecting a predetermined pattern of motion of the device;

- maintaining the image without adjustment during the predetermined pattern of motion;

- detecting a completion of the predetermined pattern of motion; and

- resetting the base reference position upon detecting completion of the predetermined pattern of motion.

17. The logic of claim 16, wherein the base reference position identifies a baseline orientation of the device, the baseline orientation represented by baseline components, the logic further operable when executed to track the motion of the device in relation to the base reference position by comparing the components of the motion with the baseline components.

18. The logic of claim 16, further operable when executed to perform the steps of:

- maintaining a gesture database comprising a plurality of gestures each gesture defined by a motion of the device with respect to a first position of the device;

- maintaining a gesture mapping database mapping each of the gestures to a corresponding command;

- comparing movement of the device with respect to the base reference position against the gestures to determine a received gesture;

- identifying the corresponding command mapped to the received gesture; and

- executing the identified command to modify the image.

19. The logic of claim 16, further operable to determine a current position of the device in relation to the base reference position and to modify the image based upon the current position of the device.

20. The logic of claim 16, wherein the predetermined pattern of motion includes motion defined by a predetermined pattern of accelerations with respect to the base reference position.

21. A motion controlled handheld device comprising:

- means for generating an image on a viewable surface of the handheld device;

- means for detecting motion of the device within three dimensions;

- means for identifying components of the motion in relation to the viewable surface;

- means for identifying a base reference position;

- means for tracking the motion of the device in relation to the base reference position;

- means for modifying the image in response to the motion;

- means for detecting a predetermined pattern of motion of the device;