

a substantially curved motion; and
a tapping motion.

30. The computer program product of claim **29**, where the user-manipulated physical object is comprised of at least two fingers of a user, and where the motion comprises movement of one finger relative to at least one other finger.

31. The computer program product of claim **19**, where the data is descriptive of at least one of a velocity and an acceleration of the user-manipulated physical object.

32. The computer program product of claim **19**, where the user-manipulated physical object is comprised of at least a part of the user's hand, and where the data is descriptive of at least one of a spatial orientation of at least a part of the user's hand in two or three dimensional space, the repose of at least a part of the user's hand in two or three dimensional space and a shape formed by at least a part of the user's hand in two or three dimensional space.

33. A device, comprising:

a unit to display information;

an imaging system to generate data that is descriptive of the presence of a user-manipulated object when executing a gesture; and

a data processor to interpret the data as pertaining to displayed information.

34. The device of claim **33**, where the user-manipulated physical object is comprised of at least one finger of a user.

35. The device of claim **33**, where said imaging system generates data that is descriptive of a motion made by the user-manipulated object in three dimensional space.

36. The device of claim **33**, where said imaging system generates data that is descriptive of a motion made by the user-manipulated object in two dimensional space.

37. The device of claim **33**, where said imaging system generates data that is descriptive of a motion made by the user-manipulated object on or near a surface of a display screen.

38. The device of claim **33**, where said imaging system generates data by sequentially creating individual ones of a plurality of records, where individual ones of the plurality of records comprise data descriptive of a location of the user-manipulated physical object at a corresponding point in time while the gesture is executed.

39. The device of claim **33**, where said imaging system employs at least one of acoustic energy and optical energy.

40. The device of claim **33**, where said imaging system comprises at least one of a plurality of ultrasonic transducers arranged so as to transmit acoustic energy into a volume of space substantially adjacent to a surface of the device and a plurality of light sensitive elements.

41. The device of claim **33**, said imaging system being responsive to a motion made by the user-manipulated object in three dimensional space, where the motion comprises at least one of:

a substantially circular motion;

a substantially linear motion;

at least one substantially circular motion in combination with at least one substantially linear motion;

a substantially circular motion and a substantially linear motion, in combination with a period of substantially no motion;

a substantially curved motion;

a tapping motion; and

movement of one part of the user-manipulated object relative to at least one other part.

42. The device of claim **33**, where the data is descriptive of at least one of a velocity and an acceleration of the user-manipulated physical object.

43. The device of claim **33**, where the user-manipulated physical object is comprised of at least a part of the user's hand, and where the data is descriptive of at least one of a spatial orientation of at least a part of the user's hand in two or three dimensional space, the repose of at least a part of the user's hand in two or three dimensional space and a shape formed by at least a part of the user's hand in two or three dimensional space.

44. A method, comprising:

in response to a user employing at least one finger to form a gesture in the vicinity of a device, generating data that is descriptive of a presence of the at least one finger in forming the gesture; and

interpreting the data as pertaining to at least one object that appears on a display screen.

45. The method of claim **44**, where the data is descriptive of at least one of a characteristic of a motion of the at least one finger when forming the gesture, a spatial orientation of the at least one finger in two or three dimensional space, the repose of the at least one finger in two or three dimensional space, and a shape formed by the at least one finger in two or three dimensional space, and where the data is interpreted as at least one of selecting the at least one object, copying the at least one object, pasting the at least one object, moving the at least one object, deleting the at least one object, zooming in on the at least one object, zooming out on the at least one object, executing the at least one object, and controlling a direction of browsing.

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