Browsing/Retrieving photos with finger gesture.

The De Lorean enables easy retrieval of photos from his/her huge personal photo archive by employing both finger gestures on a Microsoft Touch Mouse and touch operations on a conventional touch screen. With the wide spread of digital cameras and camera phones, we all have had huge photo archives with tiny costs. Thus methods for browsing/retrieving photos in such a huge archive are desired. Finger operations on the two different input devices provides him/her with plural kinds of operations, e.g., map scrolling by dragging a finger on the touch screen or map zooming by a gesture on the Touch Mouse.

The De Lorean works as a frontend processor of LifelogViewer [1], a "calendar style" photo browser developed by Prof. Satoshi Nakamura of Kyoto Univ. The LifelogViewer basically shows photos on a calendar face among yearly, monthly or daily calendar face using EXIF time stamp of each photo.

Switching Calendar Mode

The user can switch the face of the calendar among yearly, monthly and daily by three finger vertical swipe gestures.

Skipping a Period of the Current Calendar

The LifelogViewer has another browsing mode named “Map view.” By consulting the geo-tag of each photo in the archive, the system arranges photos of the current period on a map. He/she can scroll the map by dragging his/her finger on the touch screen, and also can zoom in/out the map by pinch out/in gestures on the Touch Mouse.

Scrolling/Zooming Map View

The LifelogViewer has another browsing mode named “Map view”. By consulting the geo-tag of each photo in the archive, the system arranges photos of the current period on a map. In this view he/she can scroll the map by dragging his/her finger on the touch screen and also can zoom in/out the map by pinch out/in gestures on the Touch Mouse.

Shuffling the overlapping photo thumbnails on Map View

On the Map view, each photo thumbnail is placed on the location where it was taken by consulting its geo-tag and thus thumbnails are to appear as having overlaps. He/she can rise up from/down to the bottom of the overlap where the mouse cursor is on by thumb swipe gestures.