POSITION AND ORIENTATION TRACKER

- dynamic inertial tracker
- Integrator
- position/orientation estimator
- track correction
- memory
- time stamp
- camera
- current position
- recent position
- GPS
- GIS
- feature extraction and matching
- position/orientation calculation
- backbone link
- mobile link
- headset
- antennas

Current position

Recent position
Current position

compare current coordinates with coordinates at time of rendering

morph values (rotation, translation & scaling)

line by line display stabilisation by image morphing

Visibility filter

Display

Environment z-map

polygon & texture buffer

image & sprite rendering from polygons & textures

mobile link

Recent position

position/orientation predictor

generate polygons & textures* from data base

backbone

Recent position

*) Textures can be video animated