

Friday, June 18<sup>th</sup> 2010

## Week 5 Assessment: Daniel Kennedy

### Two main areas of interest:

- continuing coming up with ideas for applications for the device
- giving the device a frame of reference

## Week 5 Assessment:

Daniel Kennedy

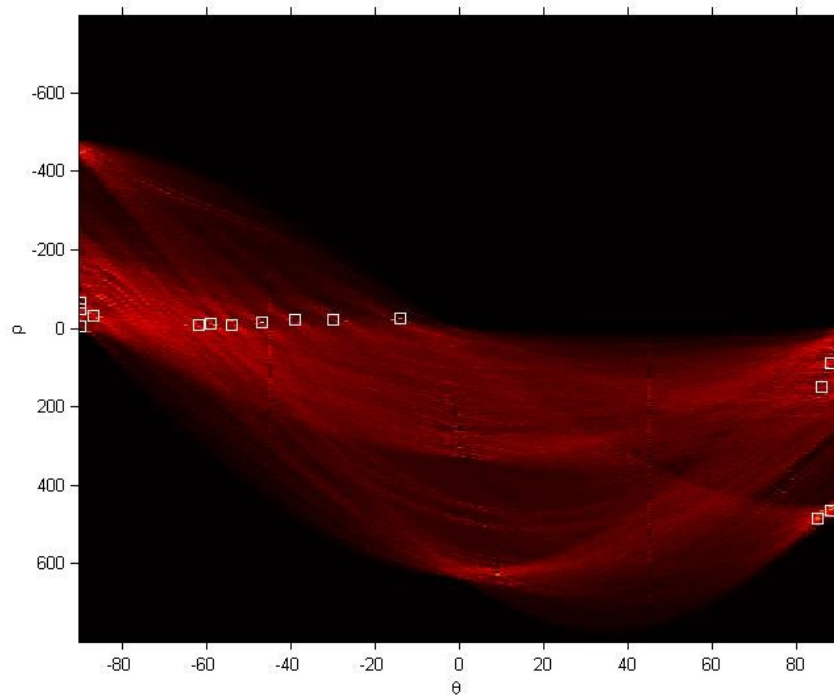
### Frame of reference:

- plan to solve the problem using vanishing points:
  - find the vertical vanishing points in an image using vertical parallel lines
  - once the vertical vanishing points are found, determine their rotation from 'true vertical'
  - repeat on an orthogonal camera to the first and we can estimate the device's starting rotation

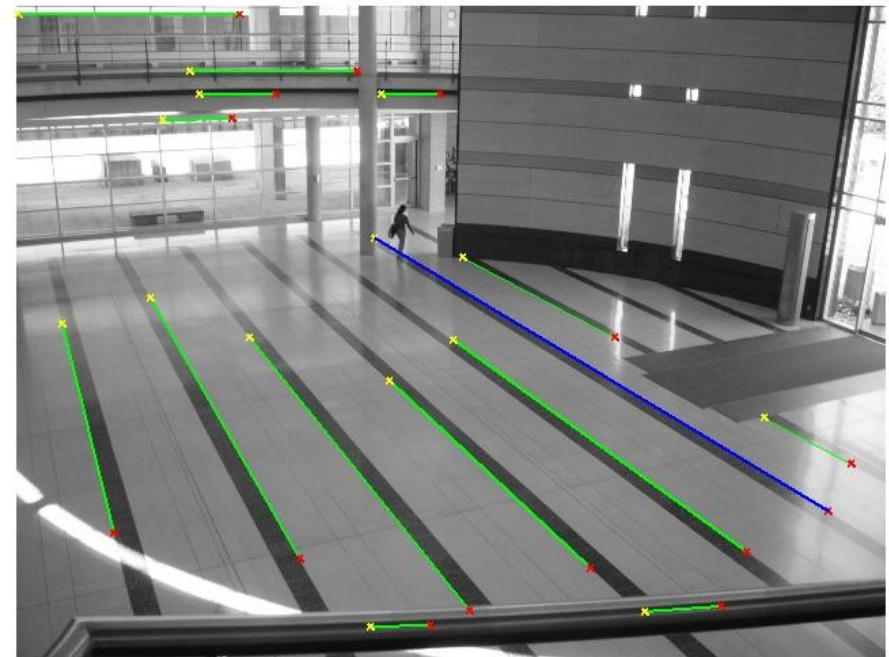
# Week 5 Assessment: Daniel Kennedy

## Frame of reference:

Hough space (15 peaks)



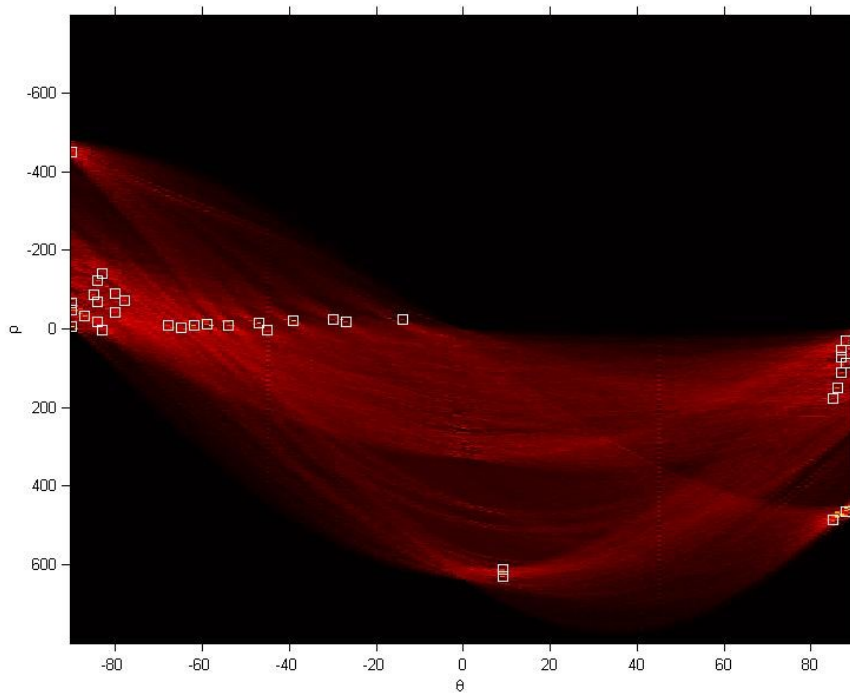
Line image (15 lines)



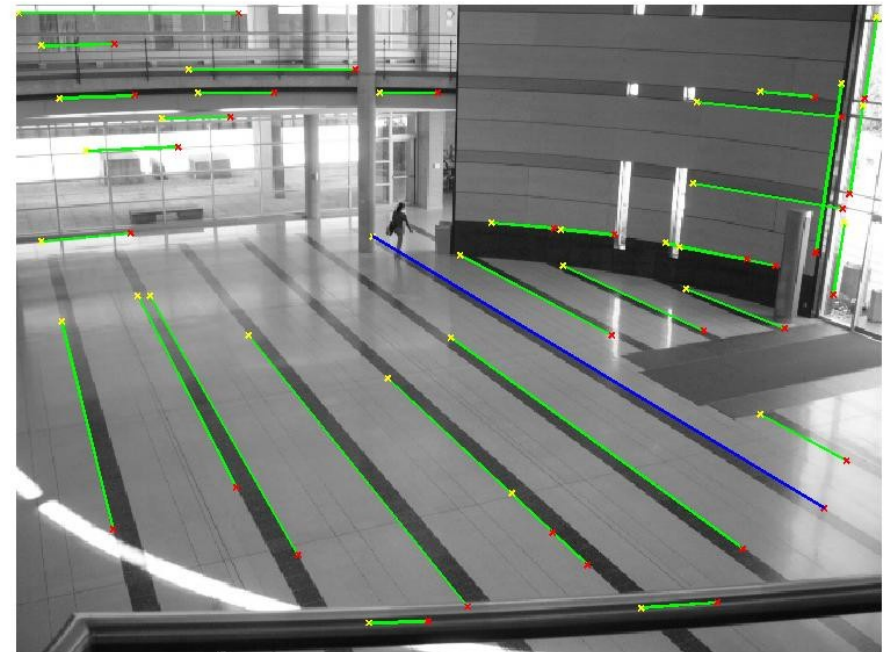
# Week 5 Assessment: Daniel Kennedy

## Frame of reference:

Hough space (40 peaks)



Line image (40 lines)



## Week 5 Assessment: Daniel Kennedy

### Application for the device:

- want to consider a 'social' application to the device
- the device is very practical for creating a 'hybrid reality'

Physical reality

Virtual reality



Hybrid reality