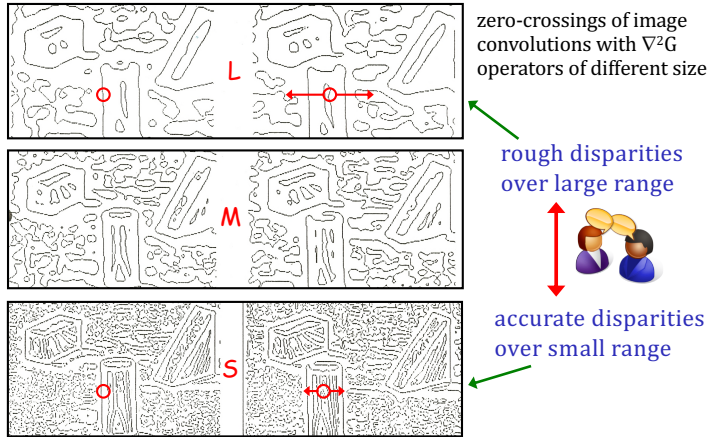
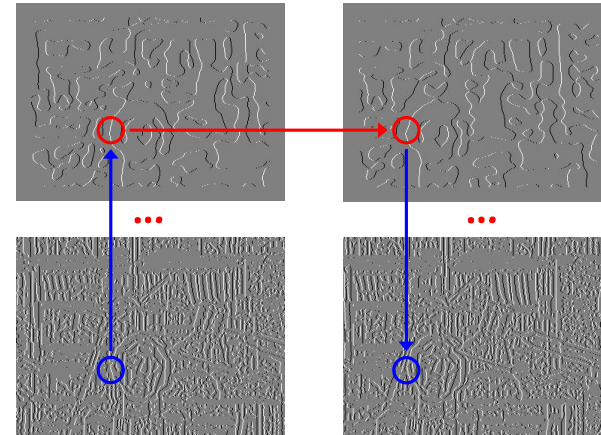


Matching features for the MPG stereo algorithm



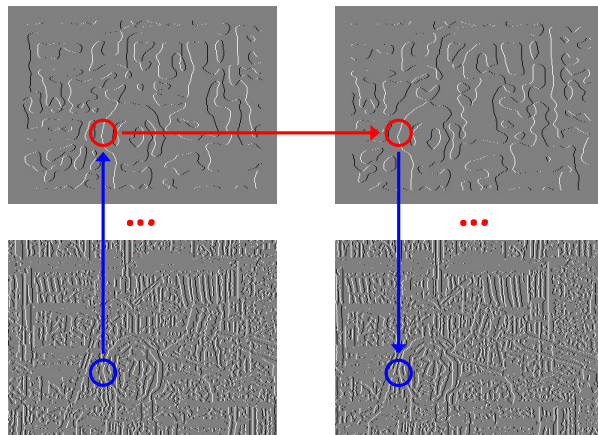
1

Zero-crossings for stereo matching

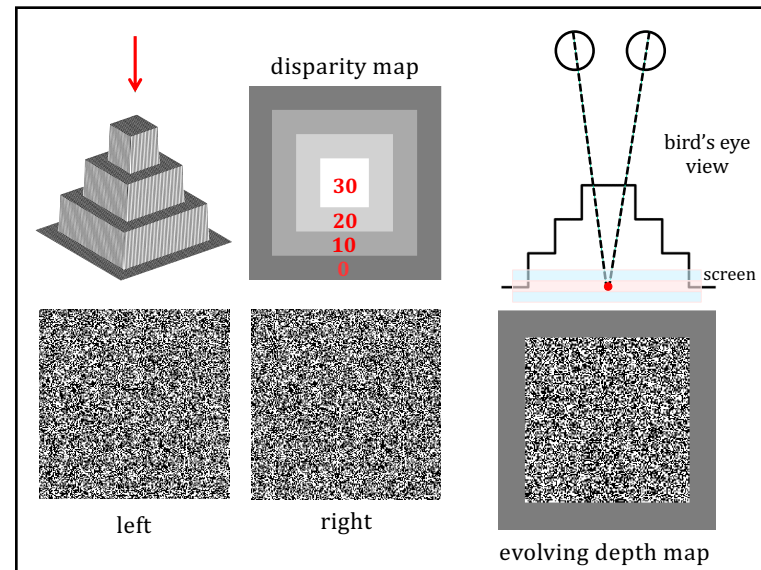


2

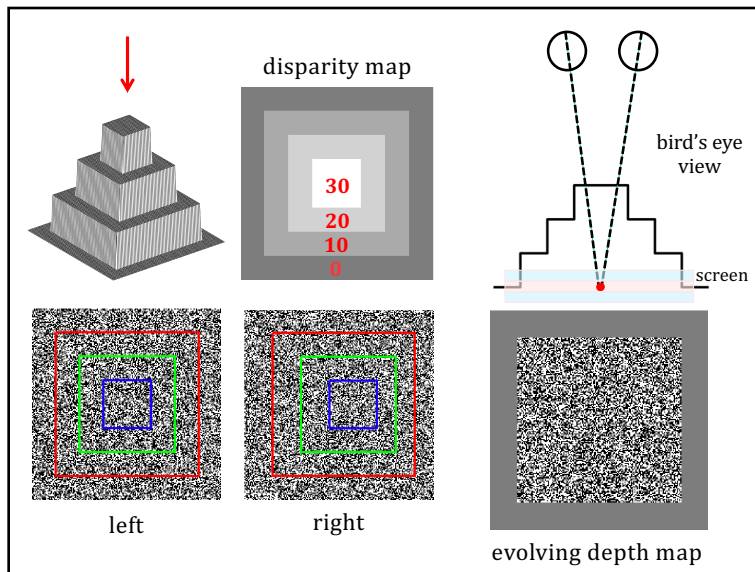
Zero-crossings for stereo matching



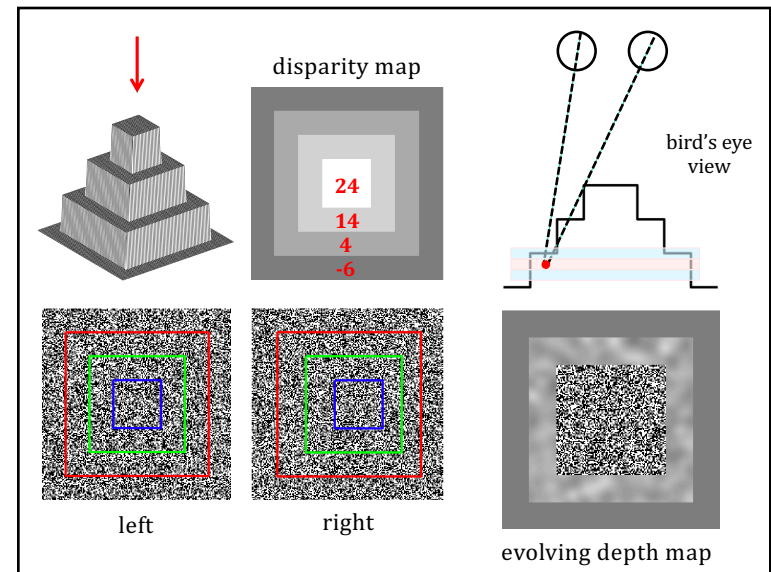
3



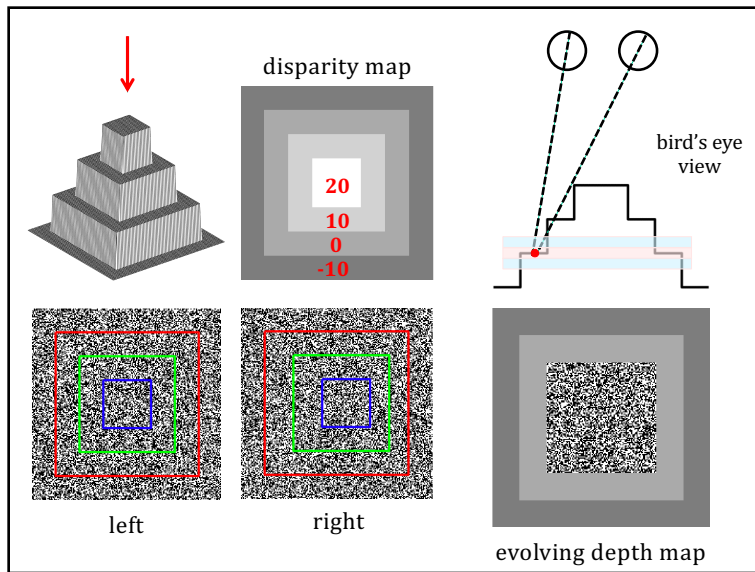
4



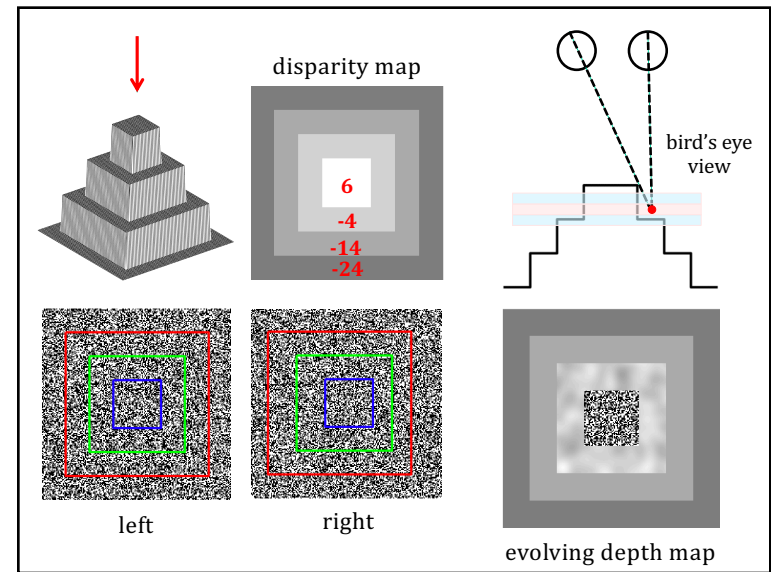
5



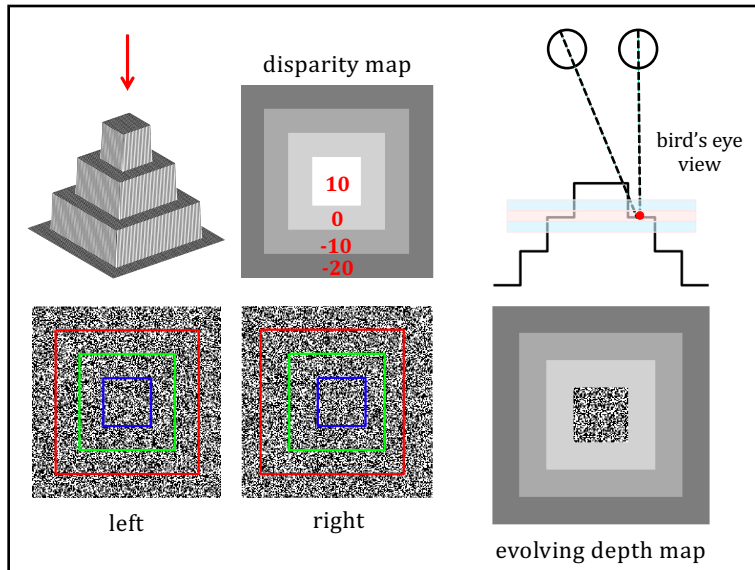
6



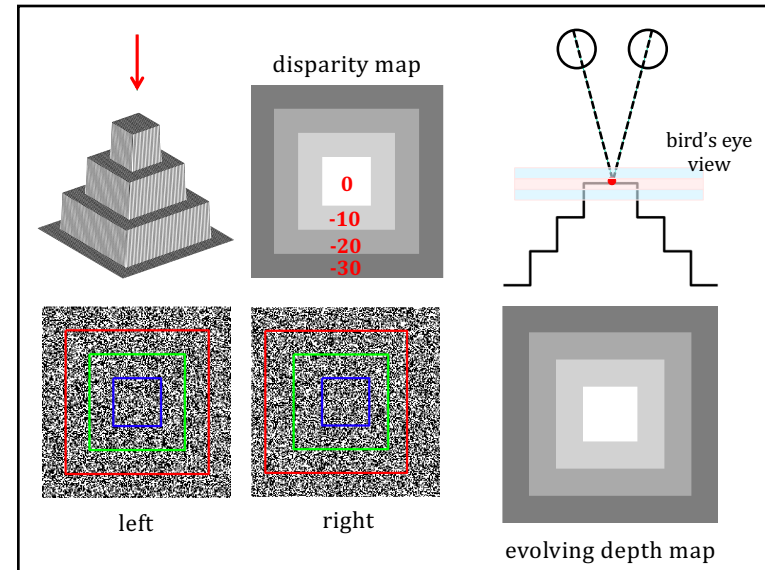
7



8



9



10

Multi-scale stereo processing

left

right

Add together:
(like a hybrid image)

- coarse scale images with coherent stereo disparities
- fine scale images with uncorrelated "noise"

left

right

Outcome:

- can still fuse images
- tolerate large range of stereo disparity
- get a rough sense of depth

11

Multi-scale stereo processing

left

right

Add together:
(like a hybrid image)

- coarse scale images with uncorrelated "noise"
- fine scale images with coherent stereo disparities

left

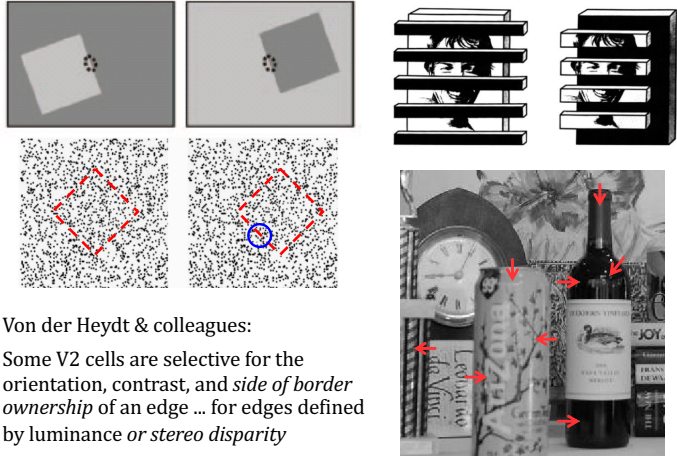
right

Outcome:

- can still fuse images
- only tolerate small range of stereo disparity
- more vergence eye movements

12

Selectivity for *stereo boundaries* in V2



13