Introduction to Augmented Reality

Tutorial 9: Spatial Behavior & AR Project Kickoff

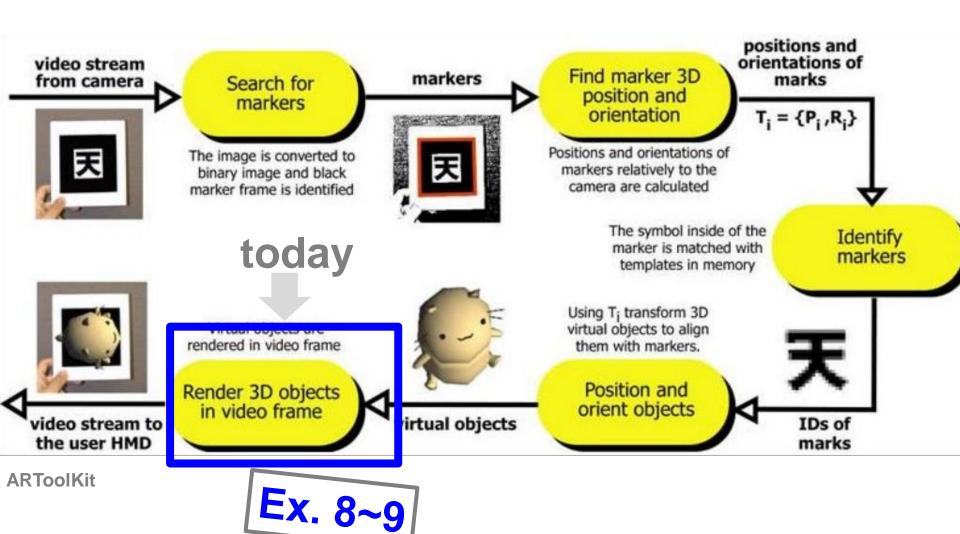
June 13 2018

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Marker-based Tracking





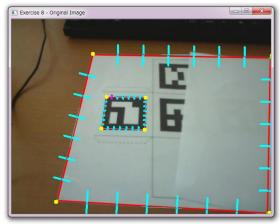


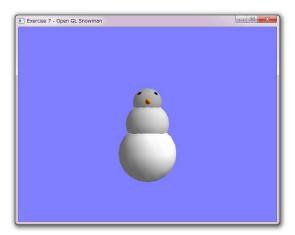
Solution for the Previous Tutorial

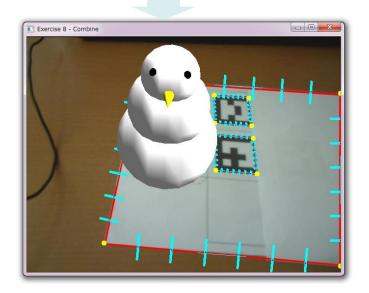
Combine AR













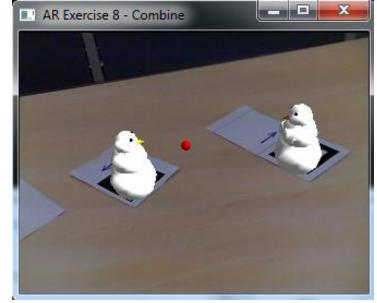


Ex. 8

Today's Tutorial

Spatial behavior





AR Project

Kick-off presentation

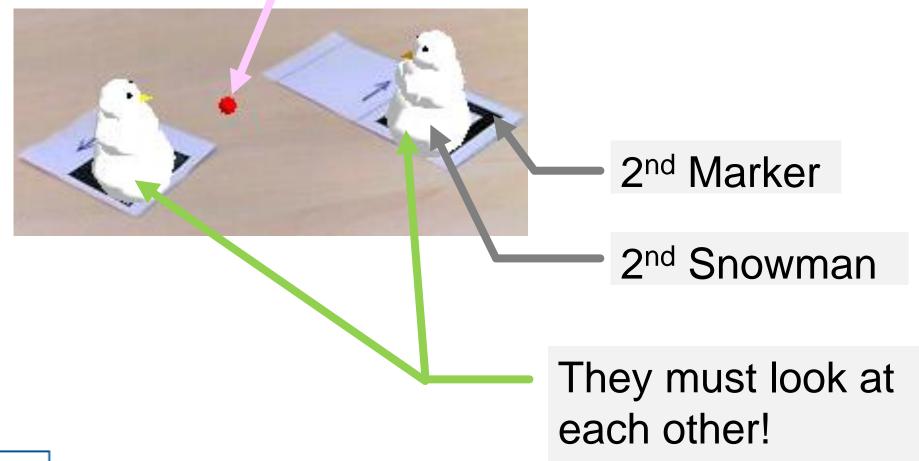
Prototype demonstration





Spatial Behavior

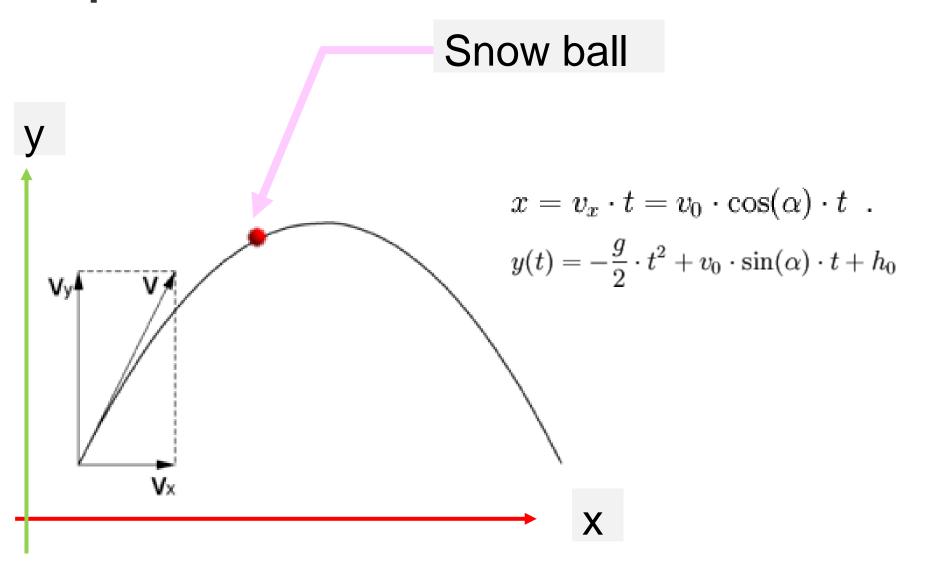
Snow ball moving between







Spatial Behavior





Some Hints/Features Occlusion Object

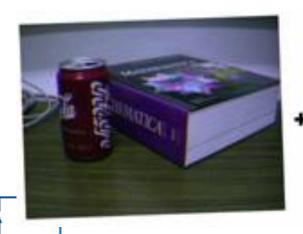
```
// disable color rendering
glColorMask( 0, 0, 0, 0 );

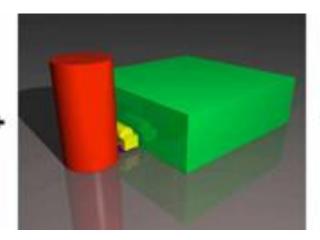
glMatrixMode( GL_MODELVIEW );
glPushMatrix();

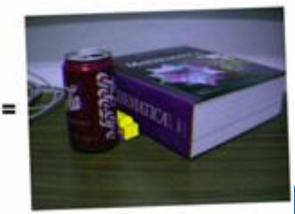
// draw the occluder object
glTranslatef( 0, 0, -3.0 );
glutSolidCube( 6.0 );
```

```
glPopMatrix();

// re-enable color
rendering
glColorMask( 1, 1, 1, 1 );
```

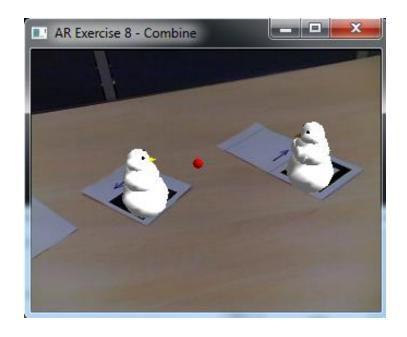






Homework

Implement spatial behavior







Project Kickoff



Please send to teaching.langbein@tum.de the following:

- Project Name
- The name of your team members
- Kickoff presentation slides

Demo Day





That's it...

Questions



