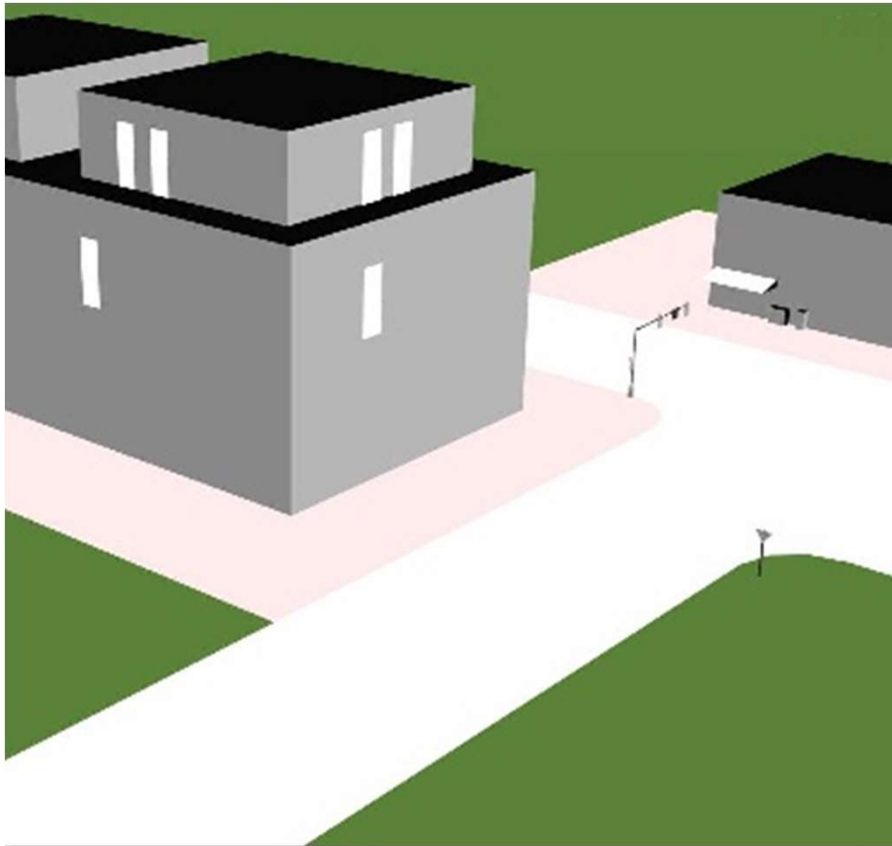


Texturing

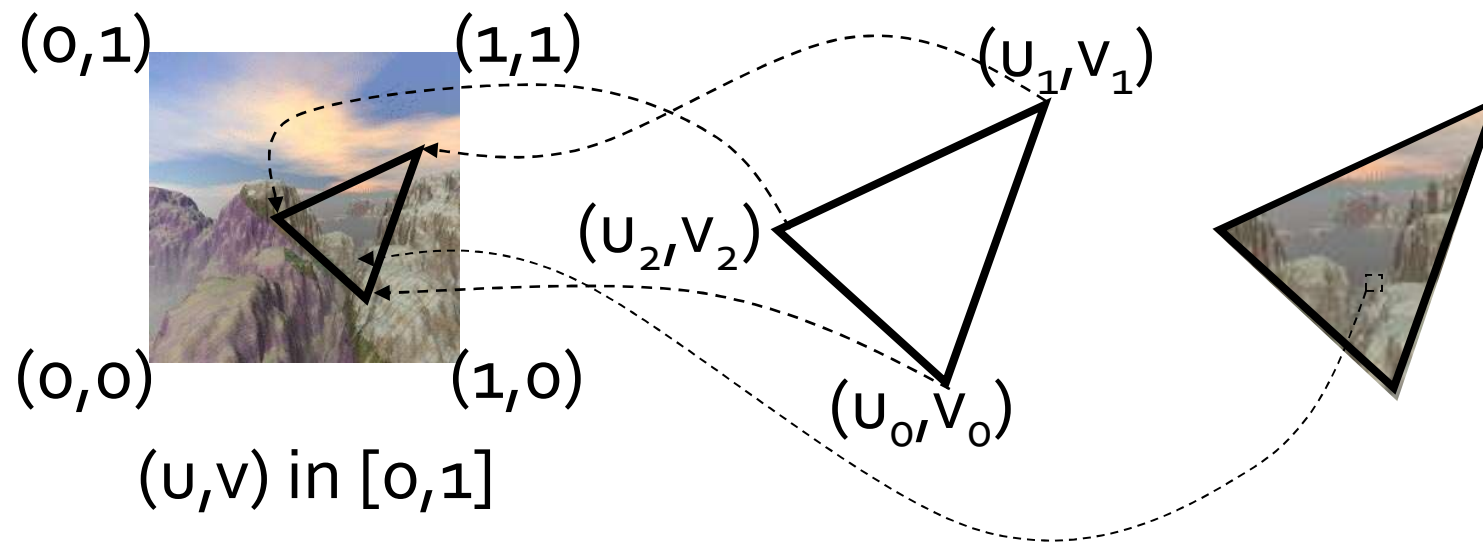
Texturing = Map Image to Surface



Adding Surface Detail

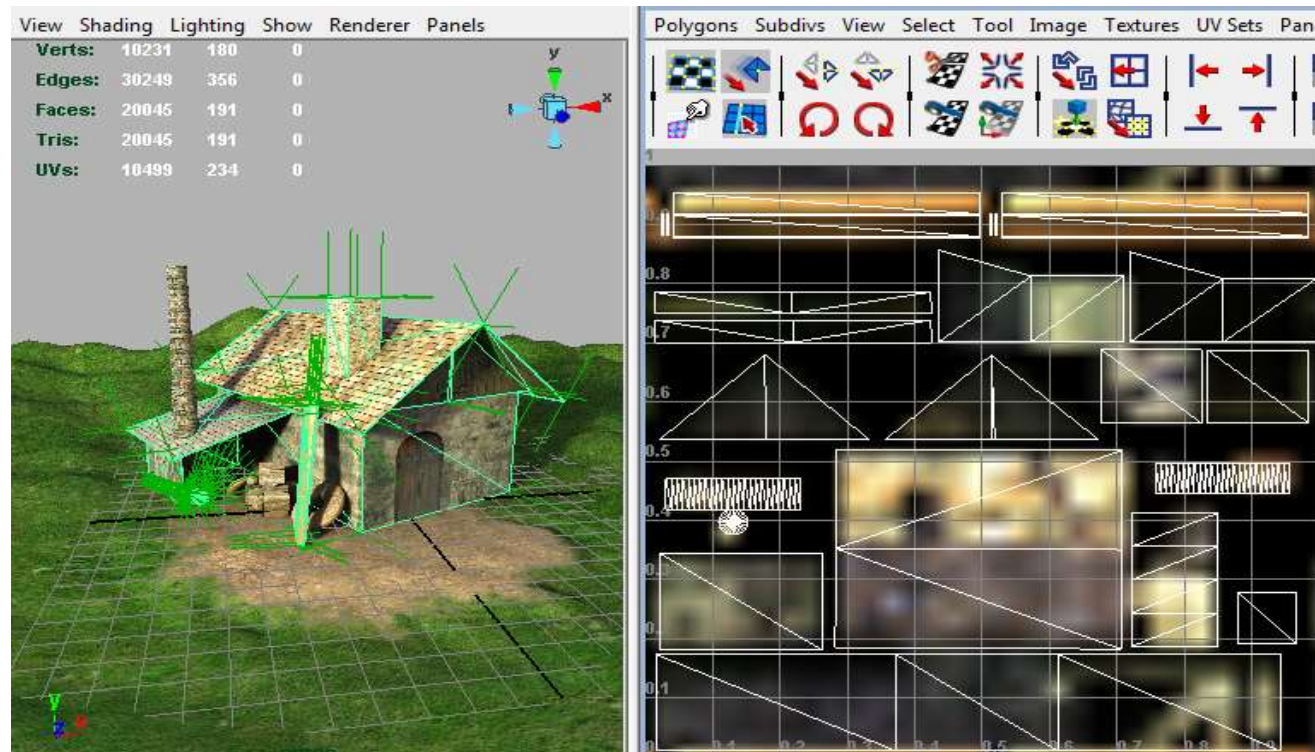


Mapping – Texture coordinates



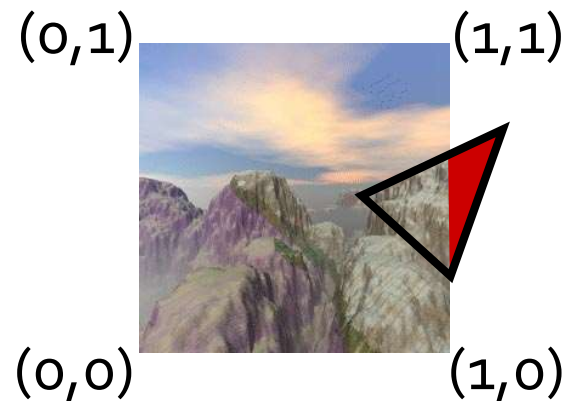
Texture coordinates

- Where do texture coordinates come from?
 - **Offline:** manual UV coordinates by DCC program
 - Note: **a modeling Problem!**
- Specify yourself



Texture functions

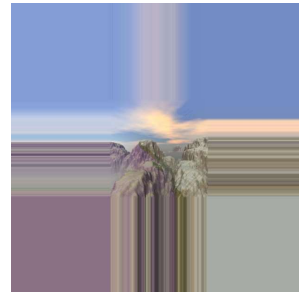
- How to extend texture **beyond** border?
- Border and repeat/clamp modes



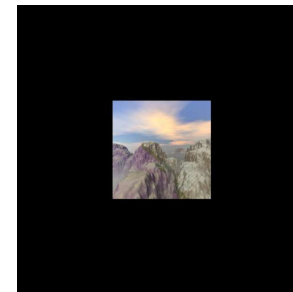
repeat



mirrored



clamp

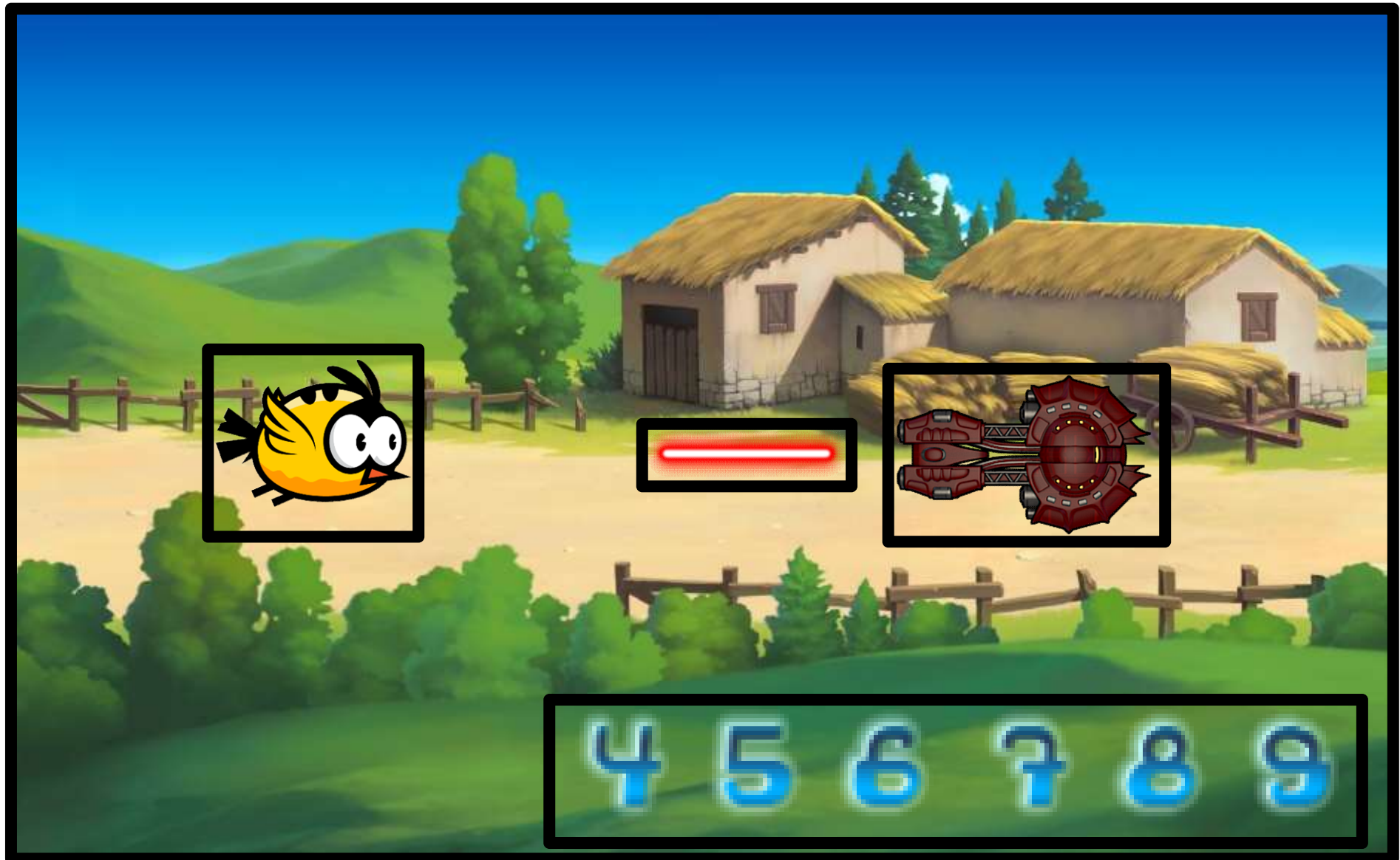


border

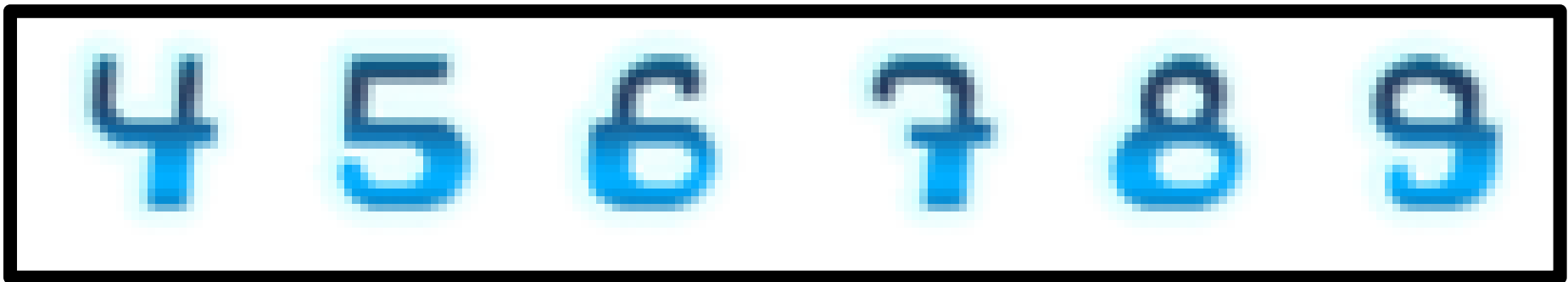
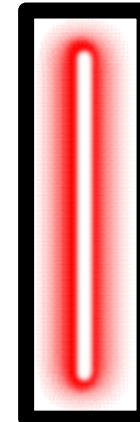
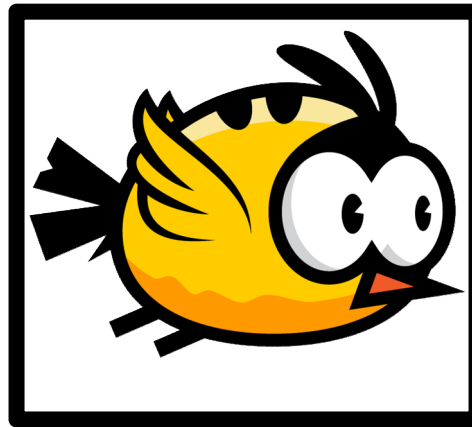
2D Game Scene



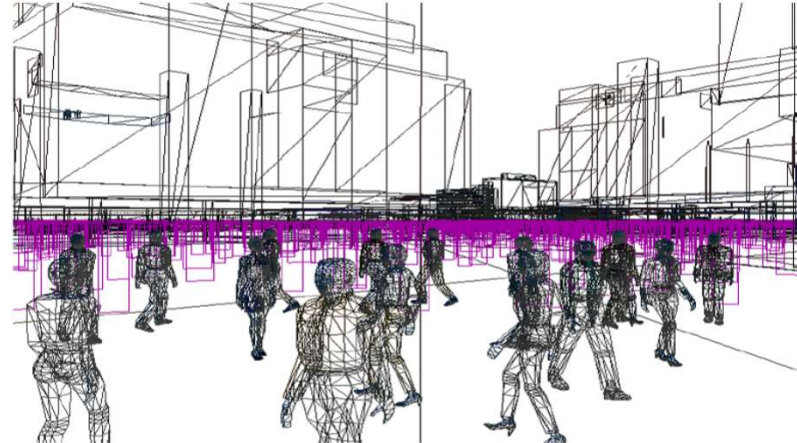
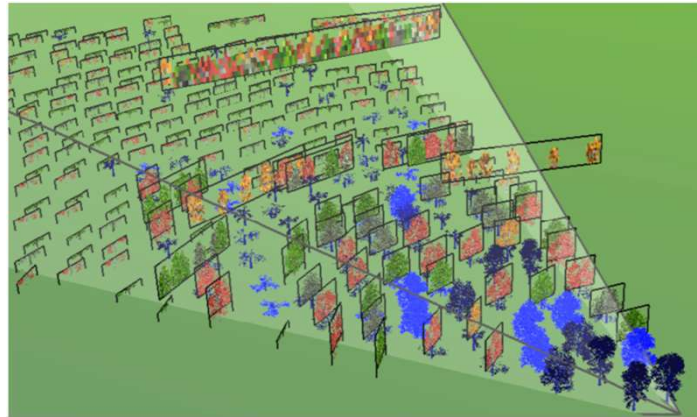
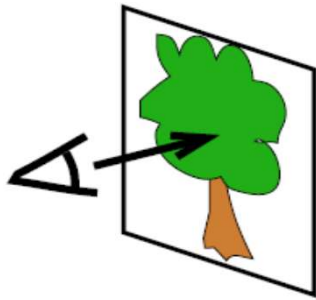
Scene composed of Sprites



Sprite – Image of object



Sprite = Impostor 3D



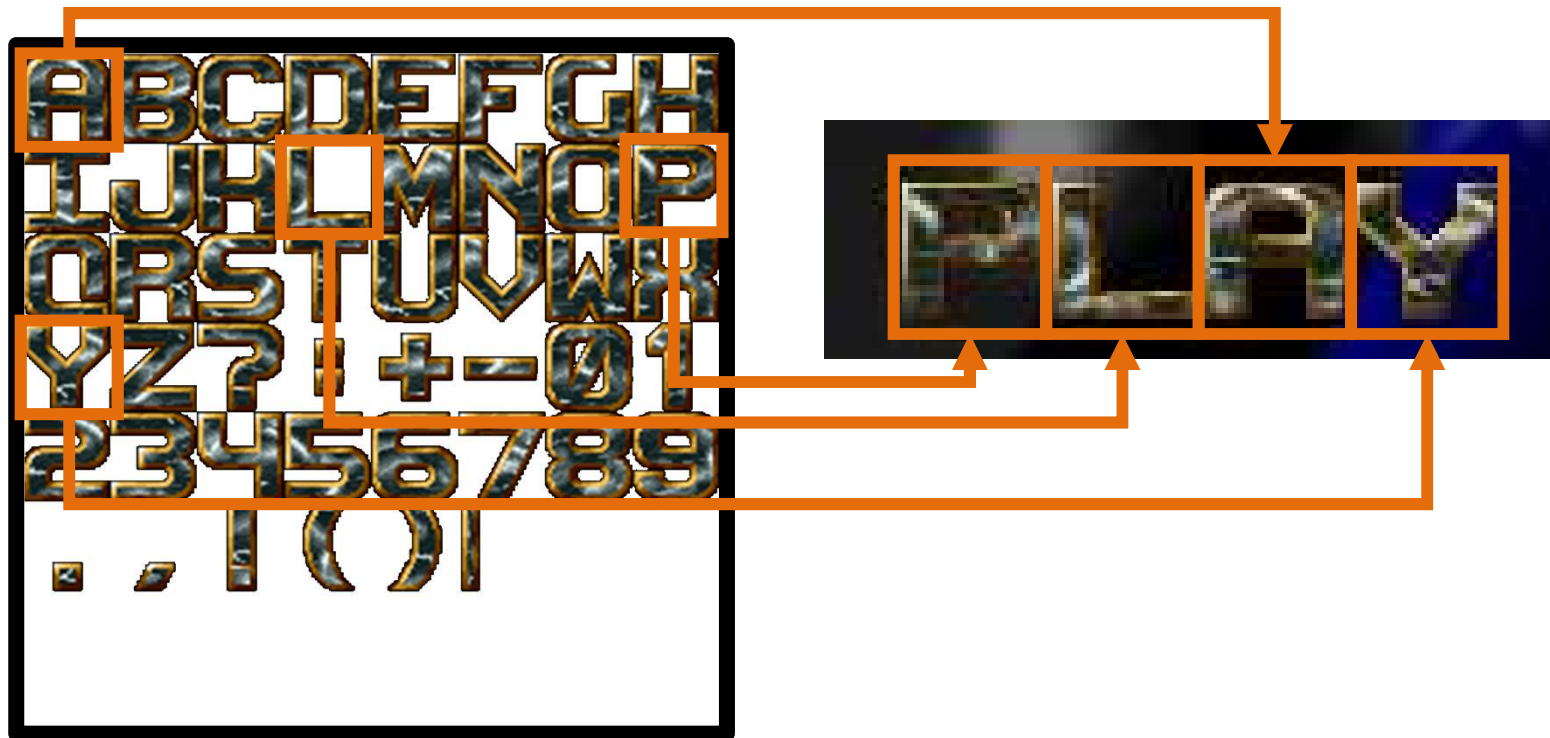
Bitmap Texture Font

- Want to show changing text



Bitmap Texture Font

- Idea
 - Characters are from a predefined set
 - Each character has a certain set of texture coordinates
 - Render textured quads one for each character



Texture Animations

- Each animation frame is stored inside a texture
- Then different frames are accessed over time

