

Assignment 4 Undergrad

Saturday, March 17, 2018

11:34 AM

1. 480 bytes with winged edge, 48 if triangles are independent
2. Easier to store shape when comprised of smaller, easier to represent shapes.
3. Object partitioning creates sets by looking at the objects themselves, whereas space partitioning groups based on areas of the image/scene.
4. You perform the laplacian smoothing operation on them.
5. for every point p
 if (group(p)) == even
 p = black
 else
 p = white
end loop

group(p):
 $p - p_0$ where p_0 is a defined point on surface
 if floor($(p - p_0)_y$) == odd
 if floor($(p - p_0)_x$) == even
 return even
 else
 ...

```
        return odd
    else
        if floor((p - p0)x) == odd
            return even
        else
            return odd
```