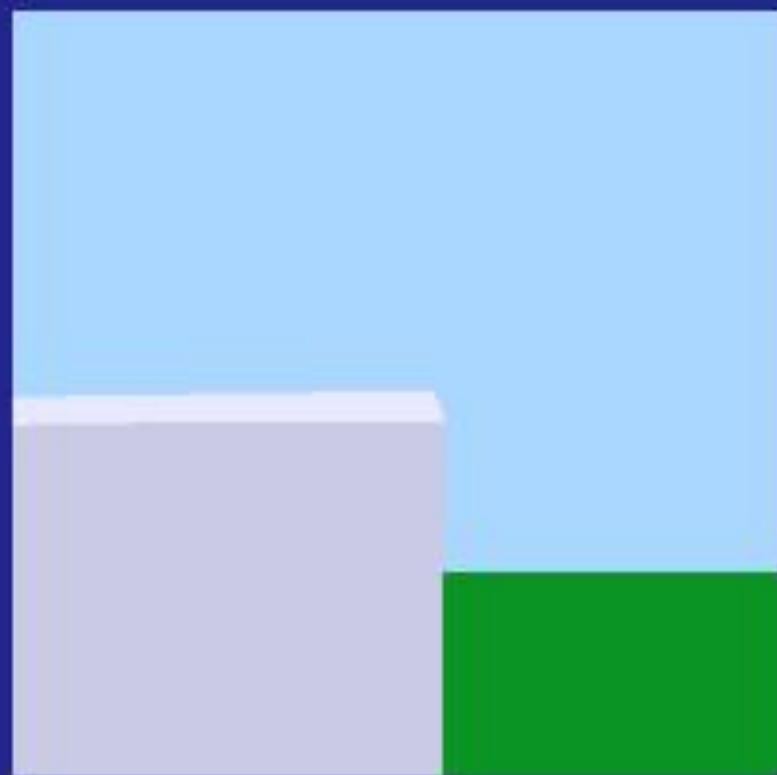


The background of the slide features a large, bright yellow sun on the left side. In the foreground, a colorful beach ball with segments of red, orange, white, blue, and yellow is positioned on a sandy beach. A map of a coastal region is spread out on the sand to the right of the beach ball. The sky is a clear, light blue.

SIGGRAPH 97
Education
Slide Set

Mapping Techniques

R. J. Wolfe
DePaul University





<http://plopalou.wordpress.com/>



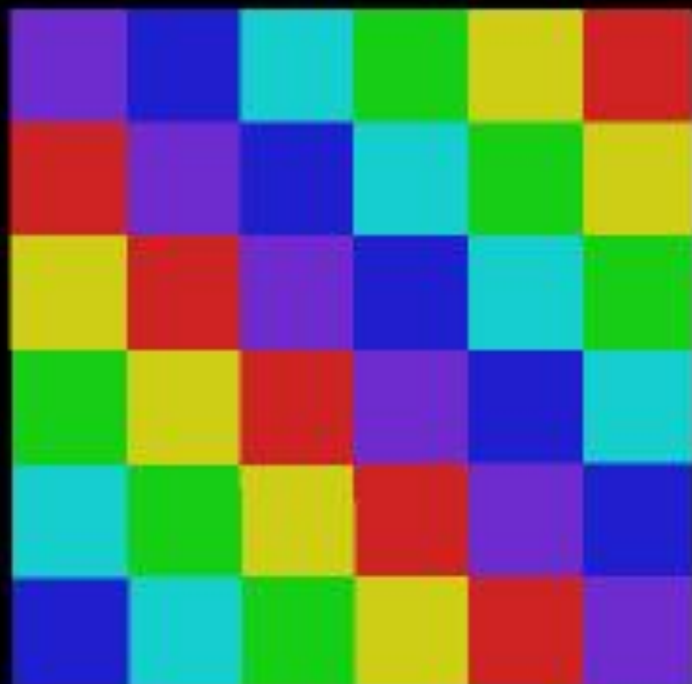
<http://plopalou.wordpress.com/>

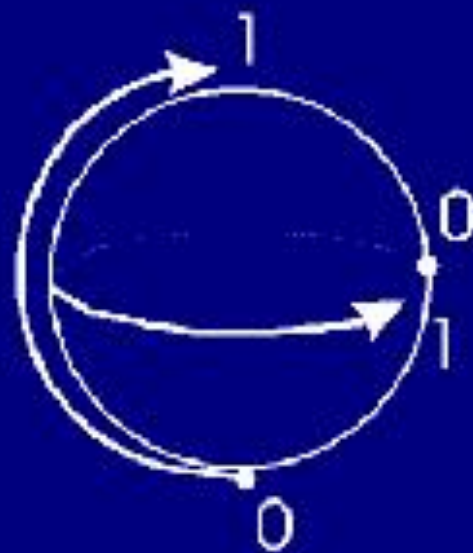
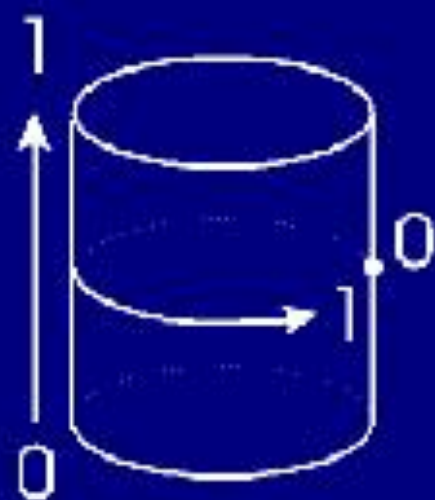
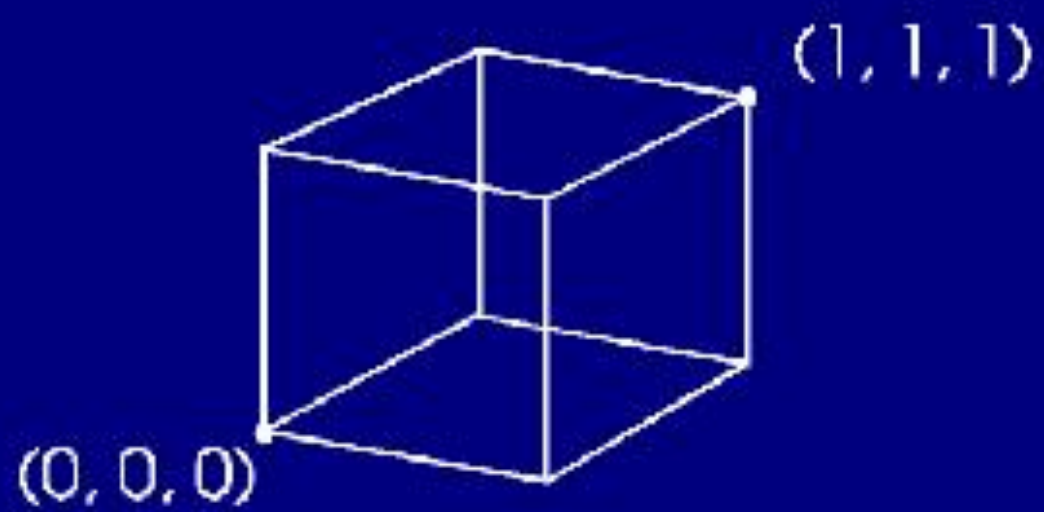


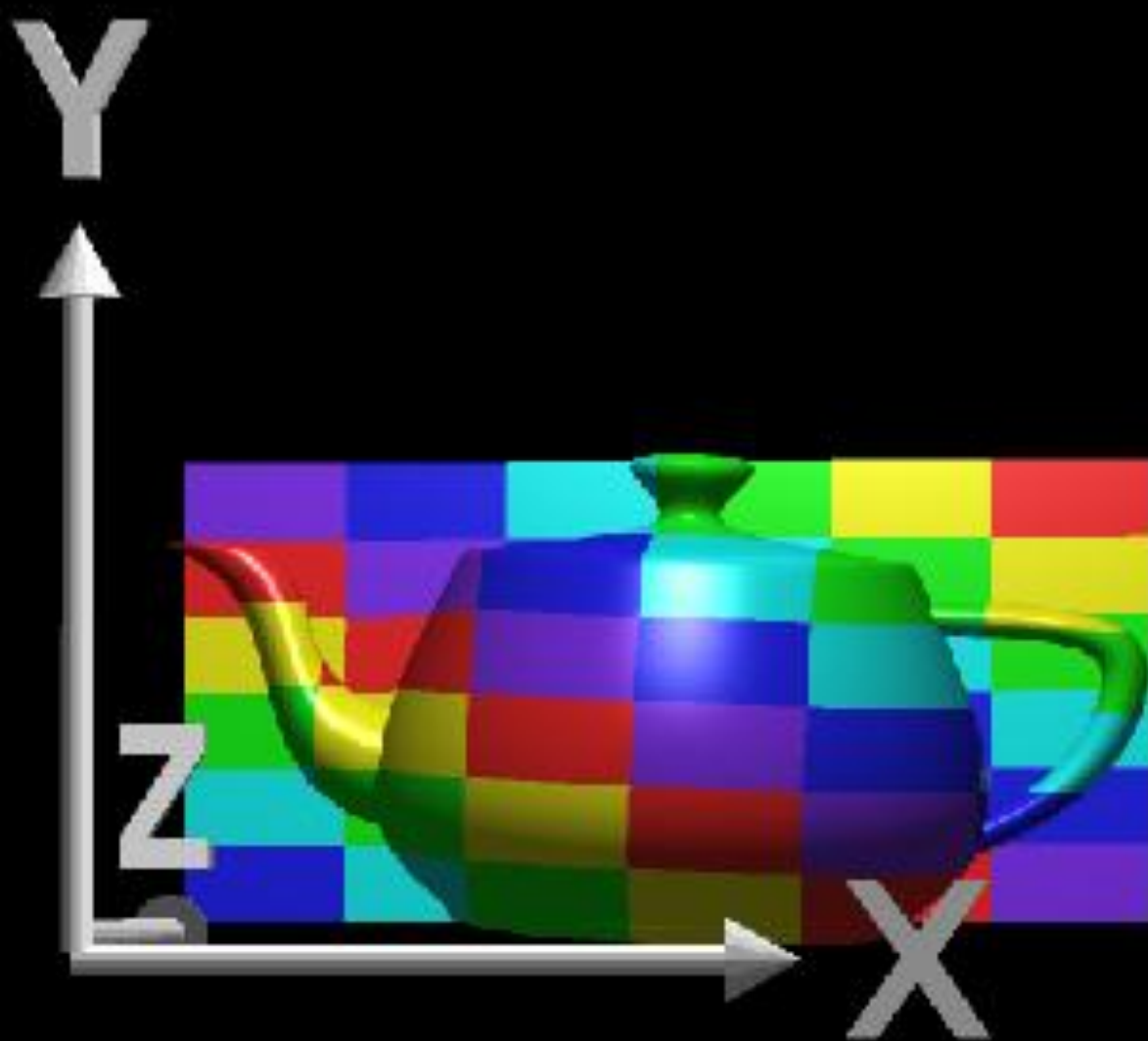
2D
mapping

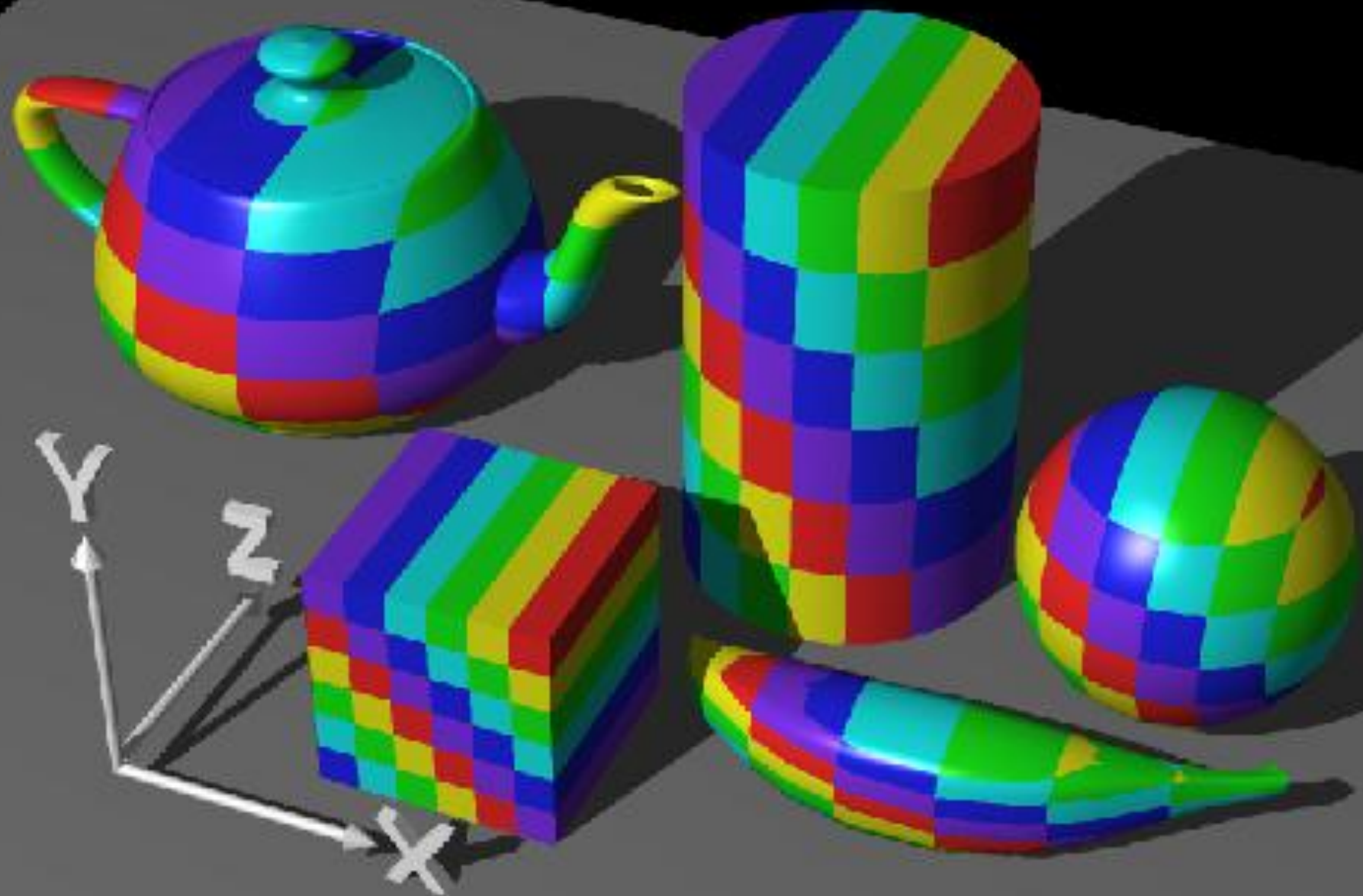


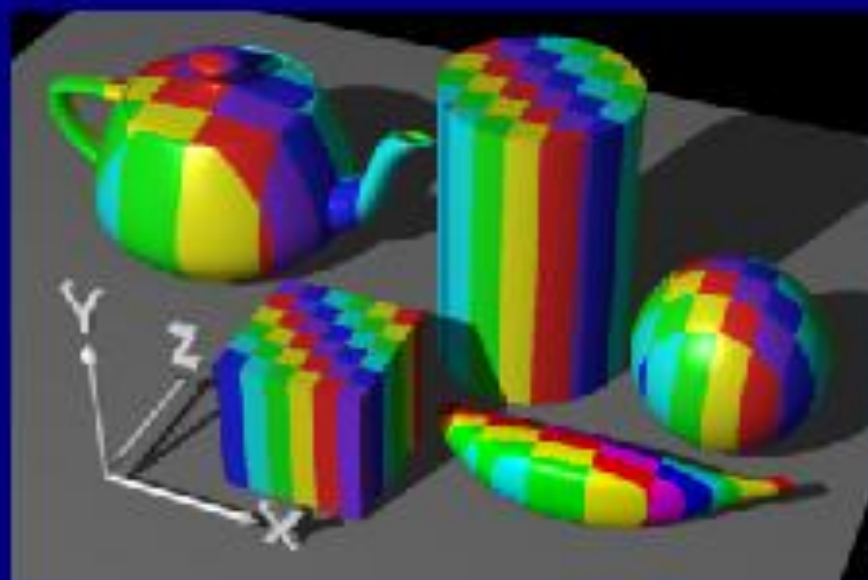
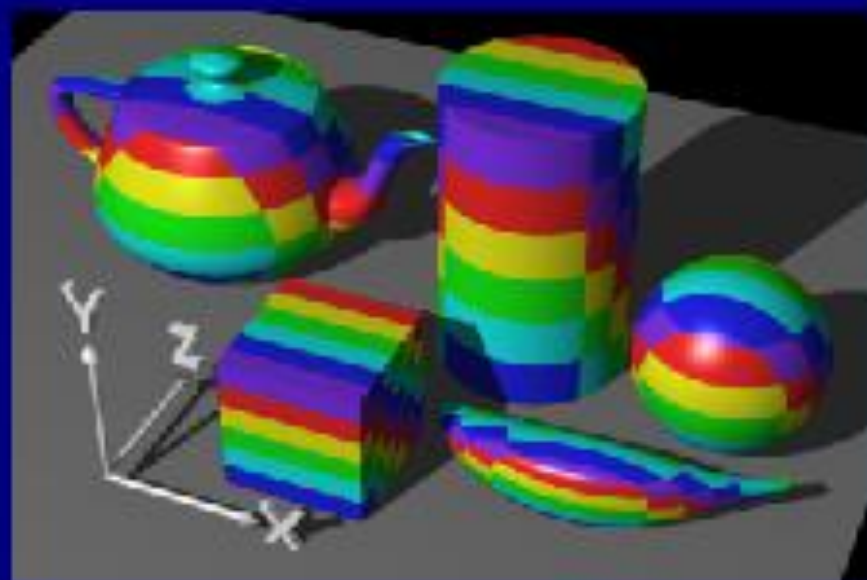
3D
mapping



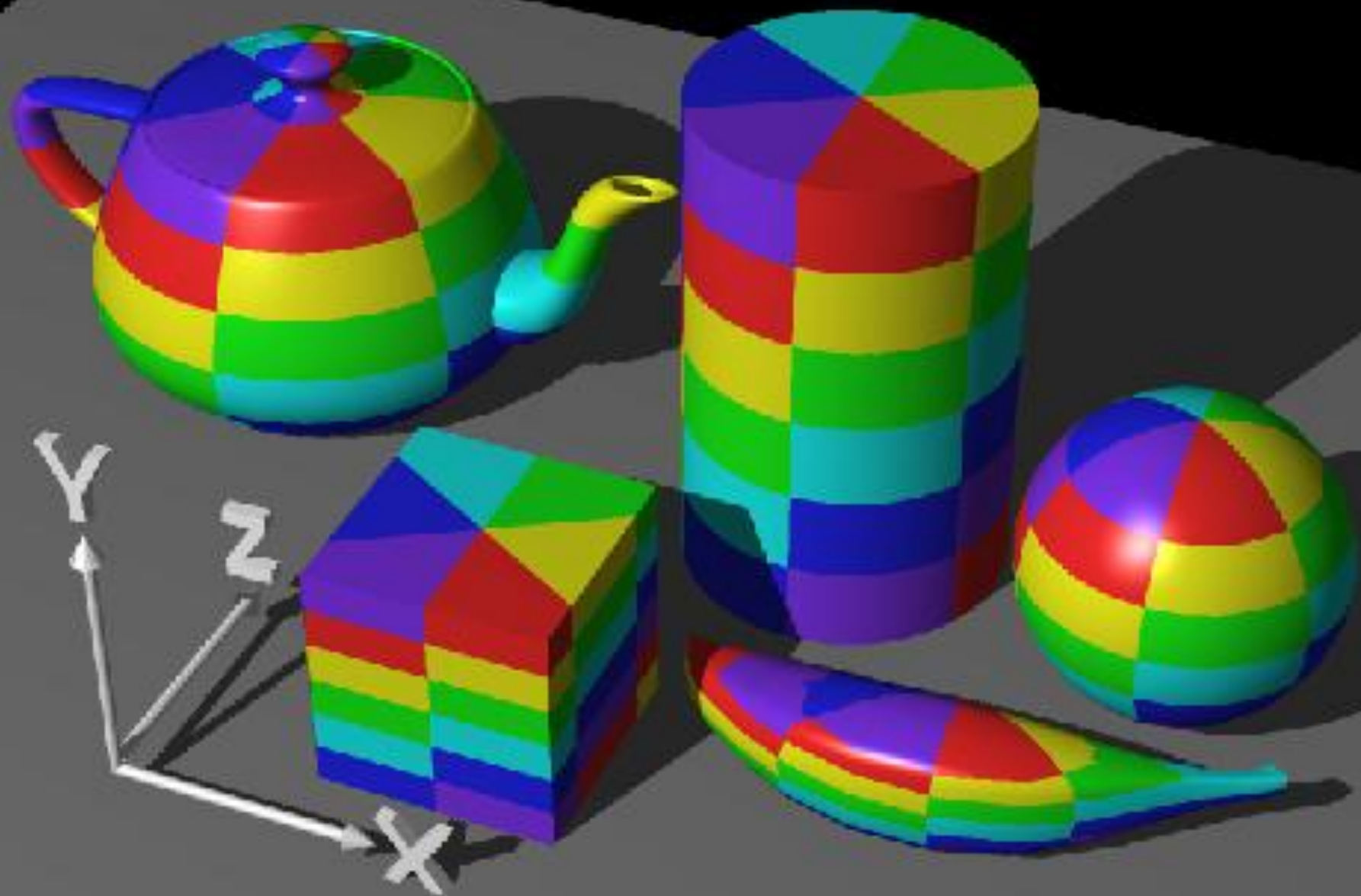


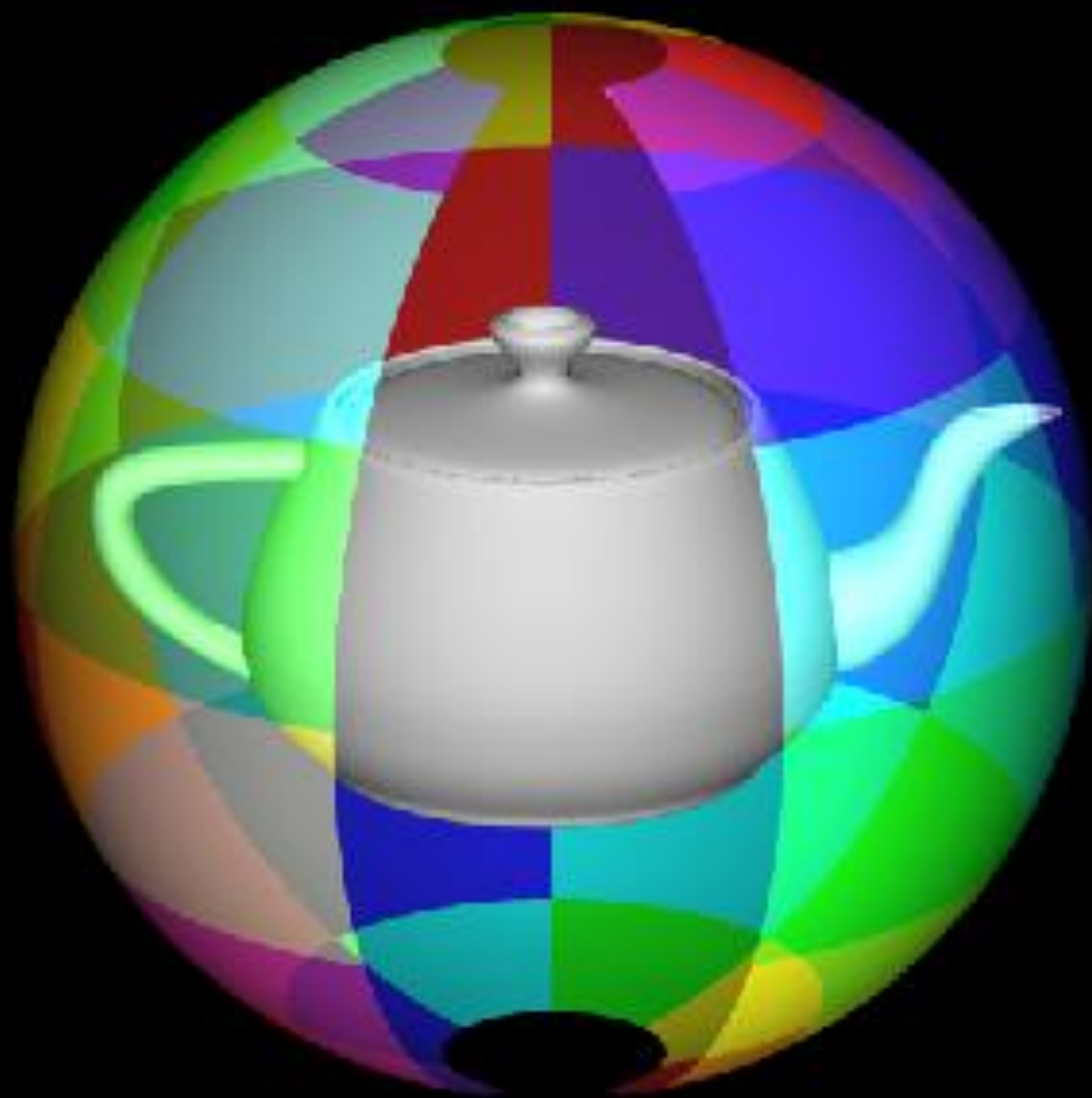


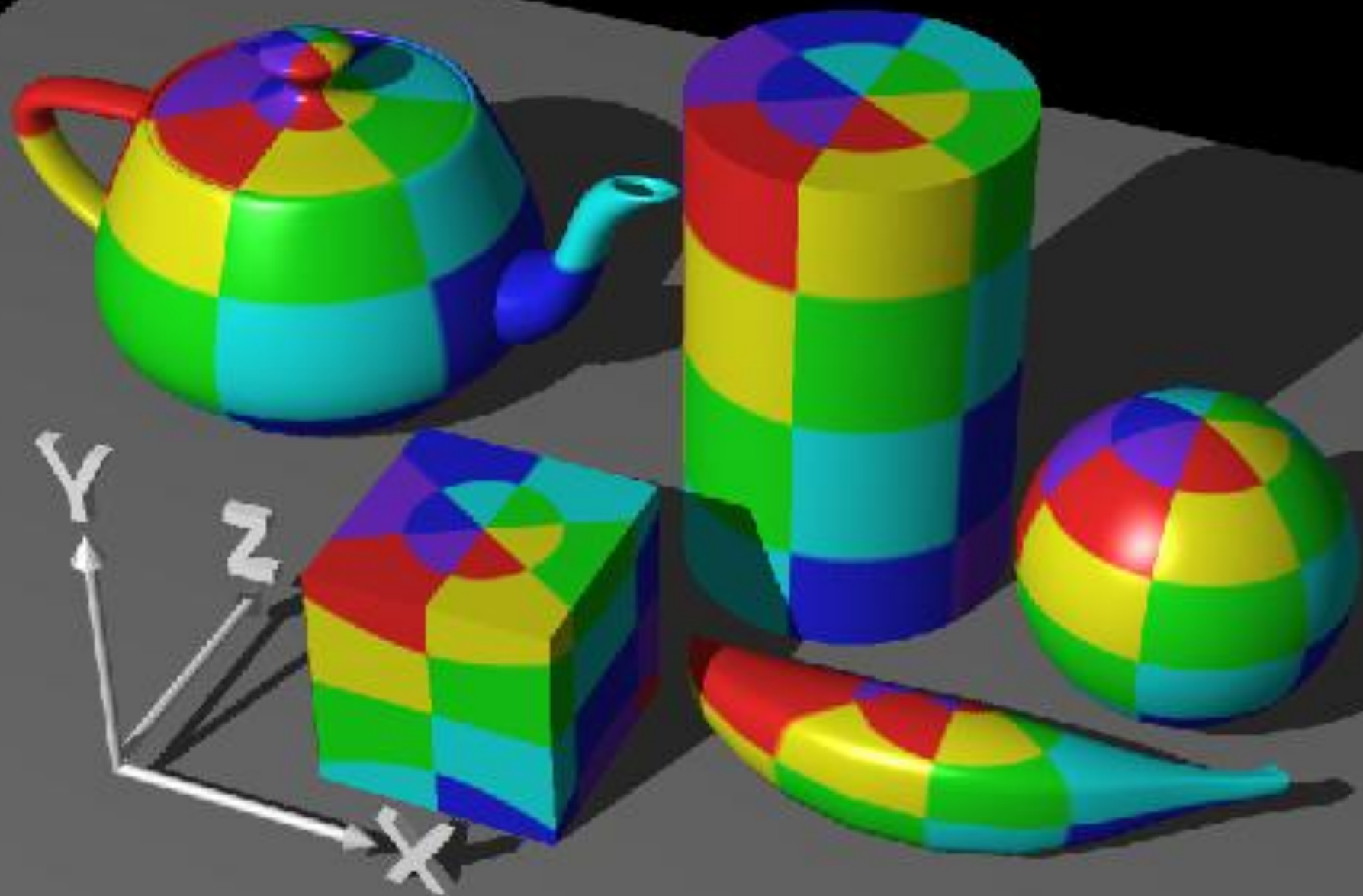


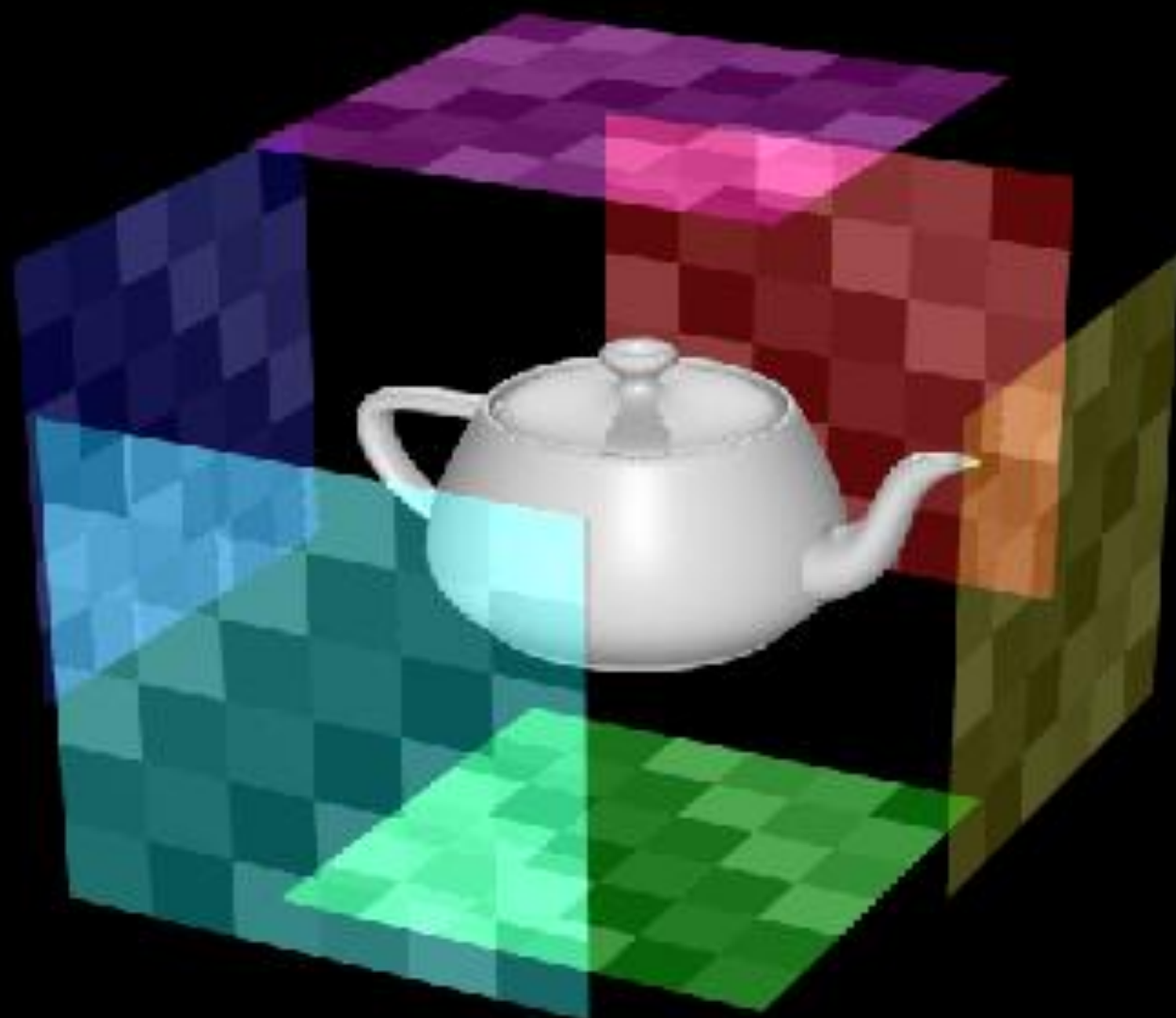


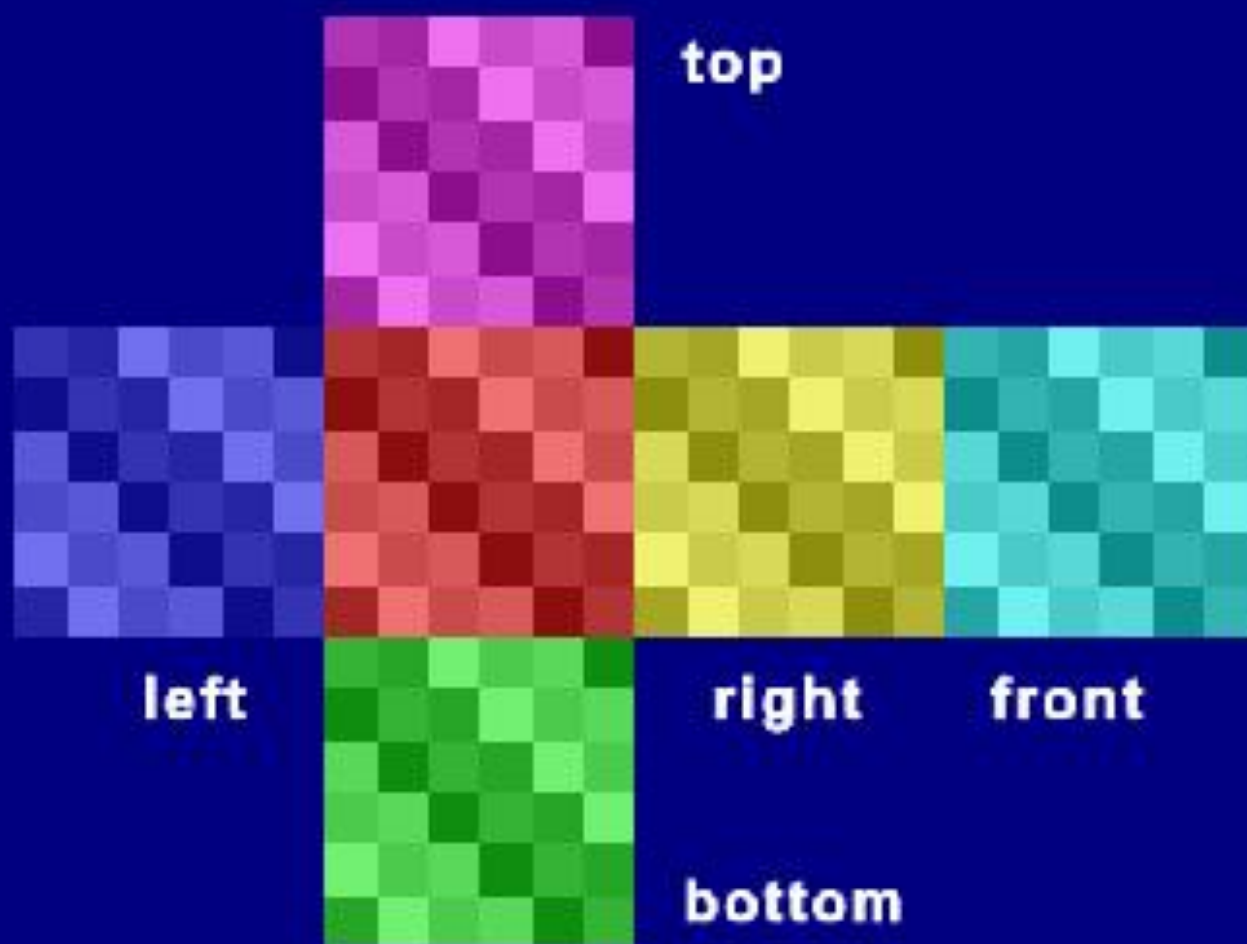


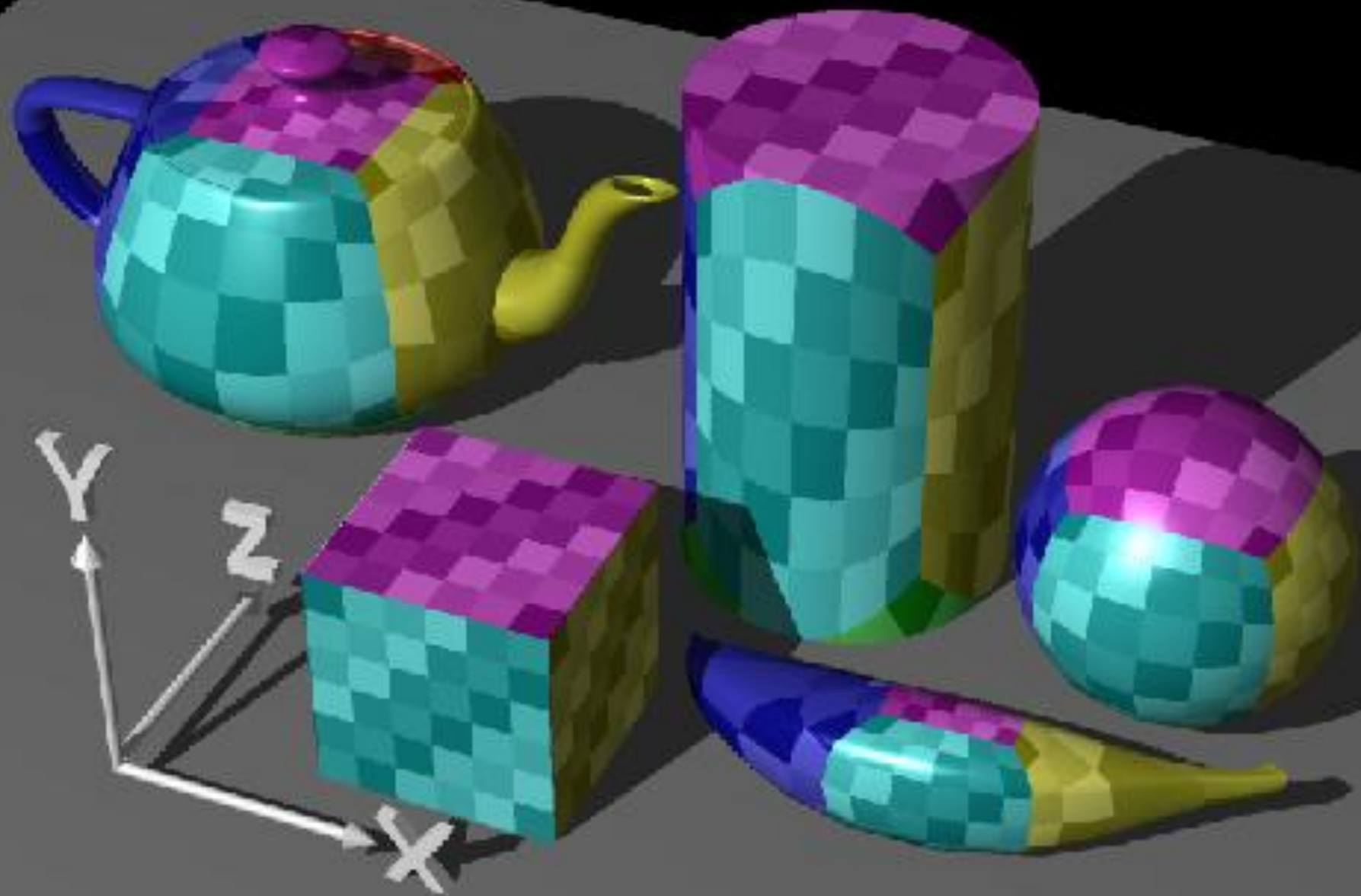














top



left

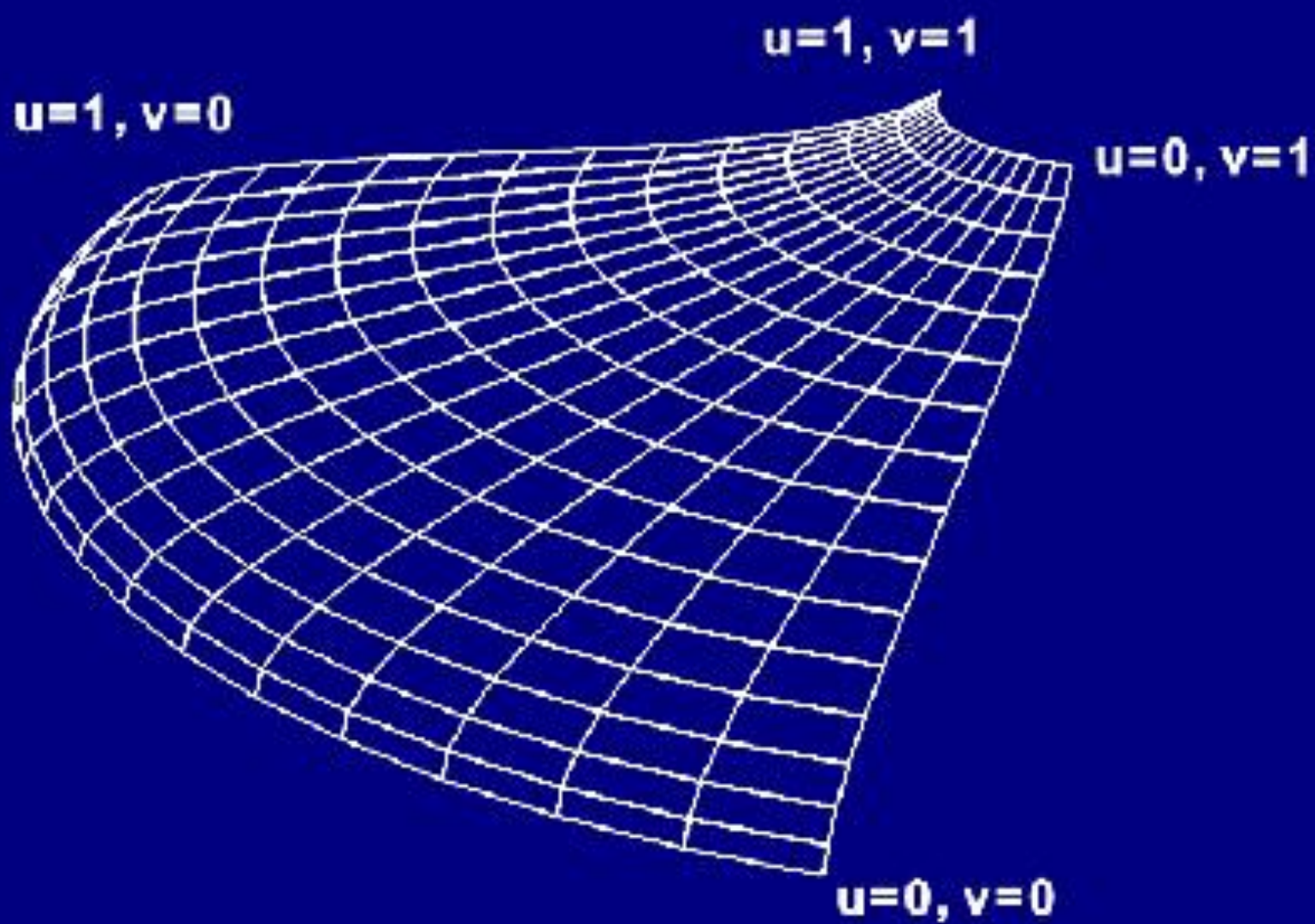
right

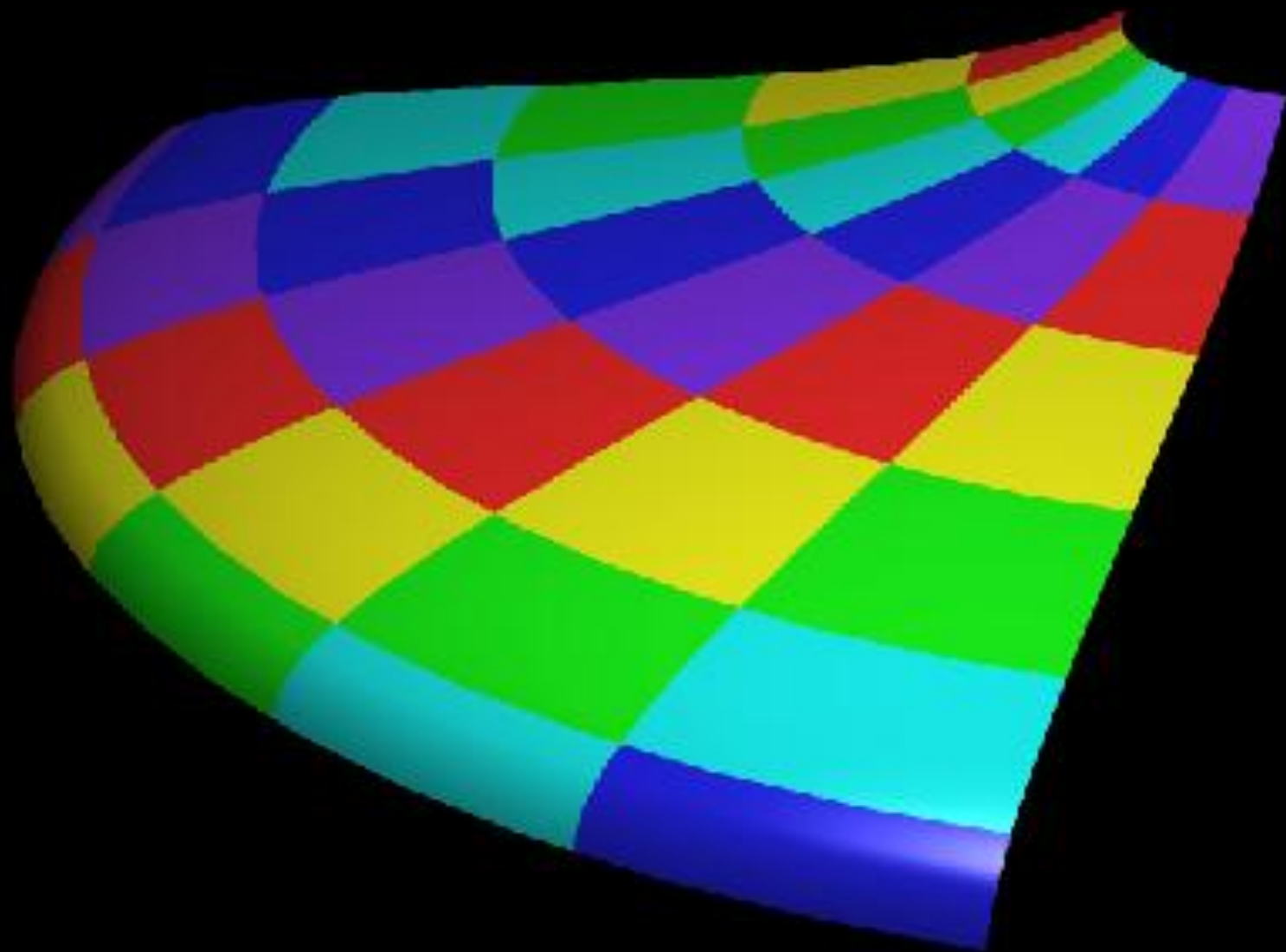
front

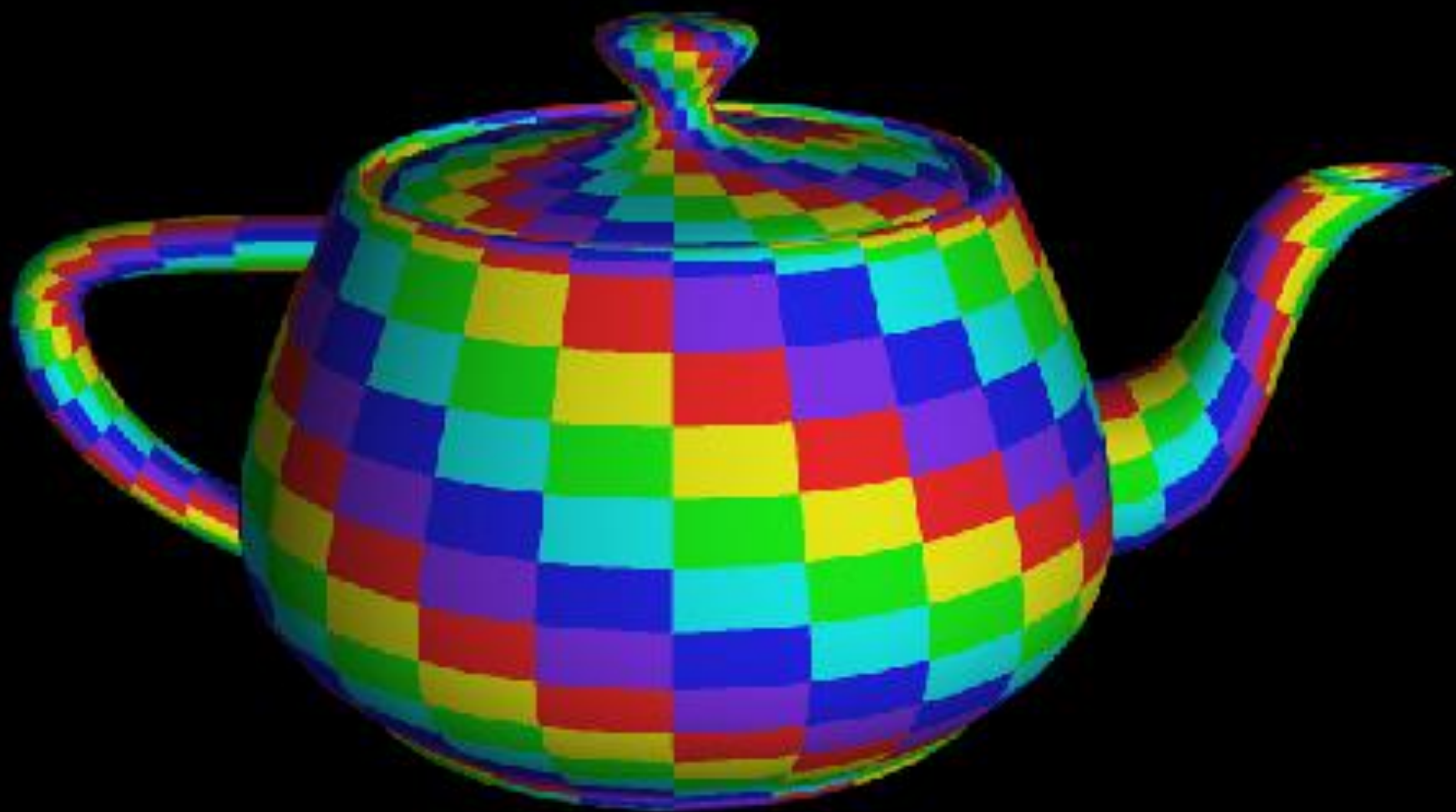


bottom

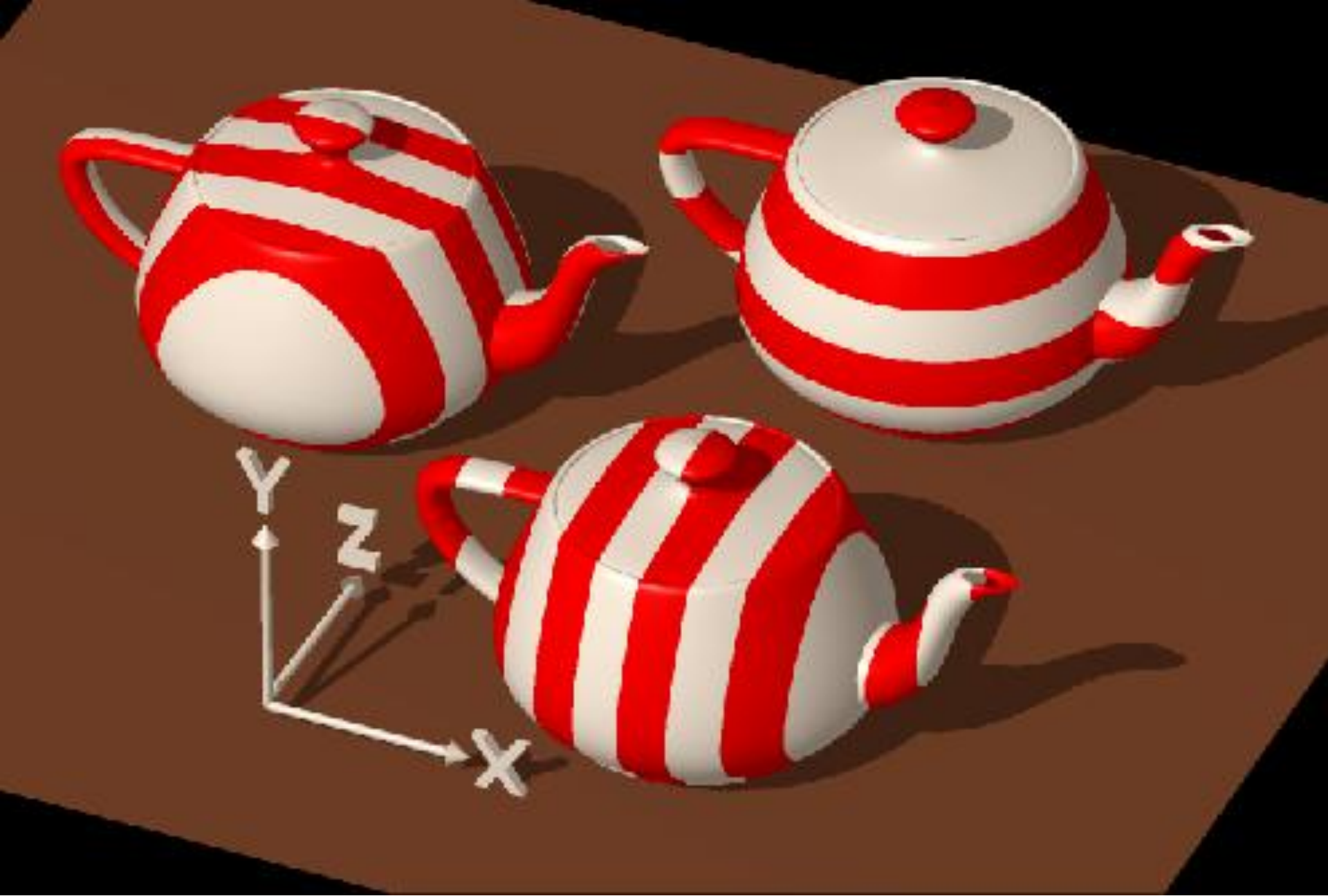






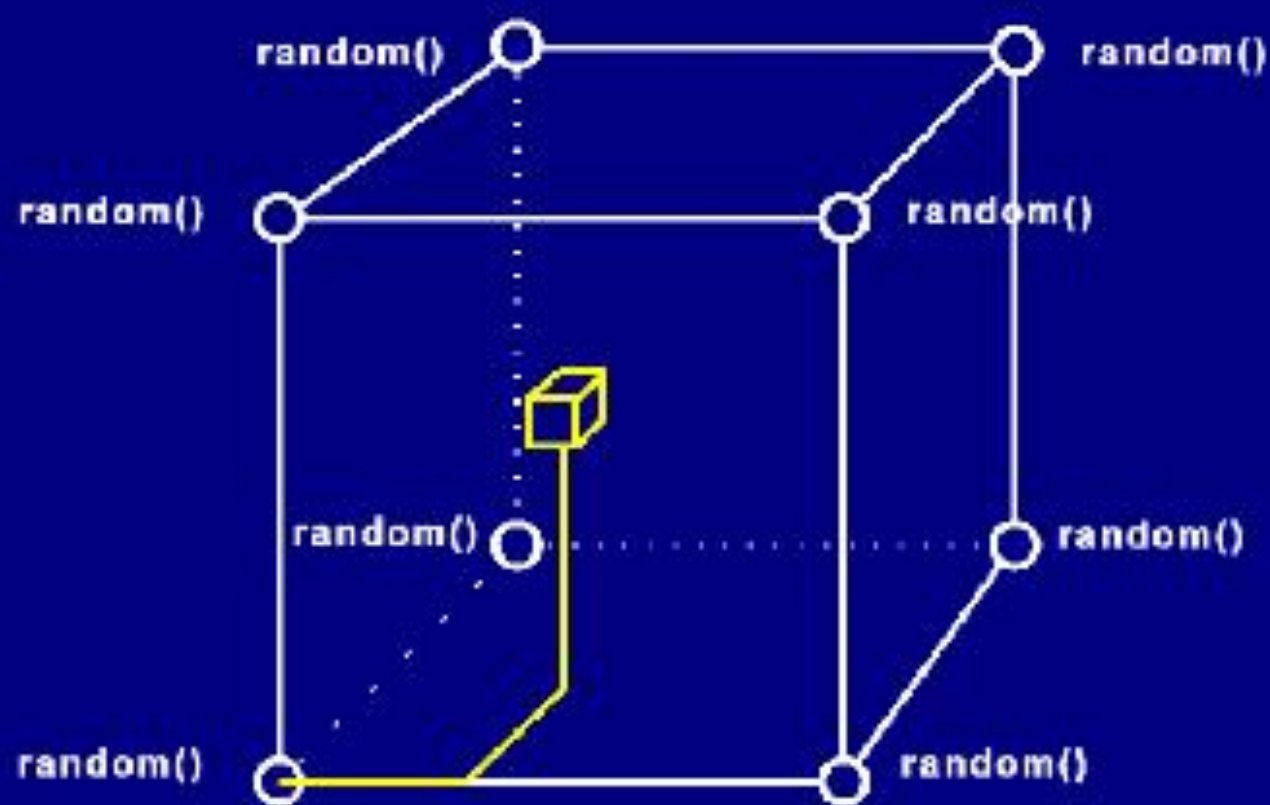




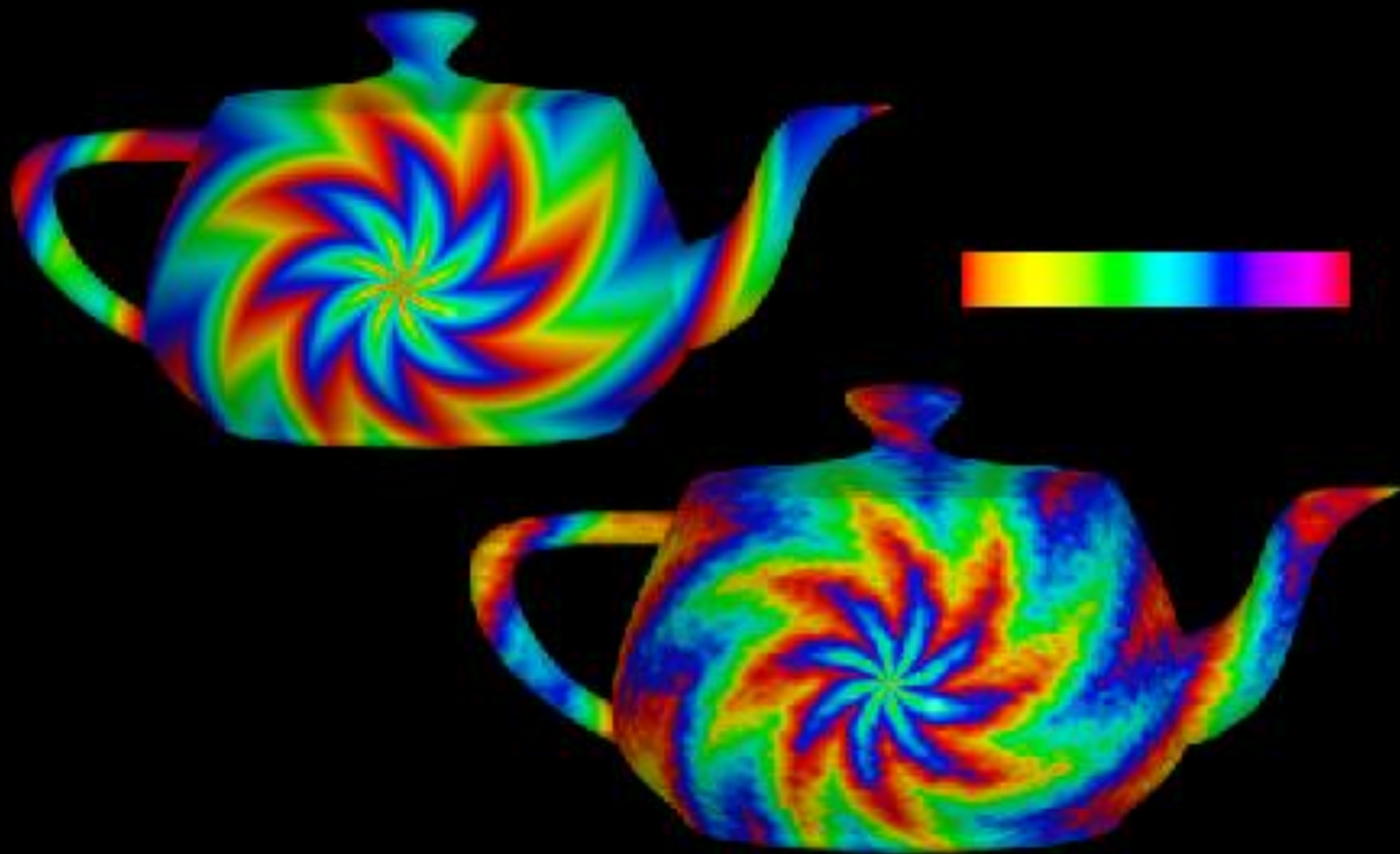


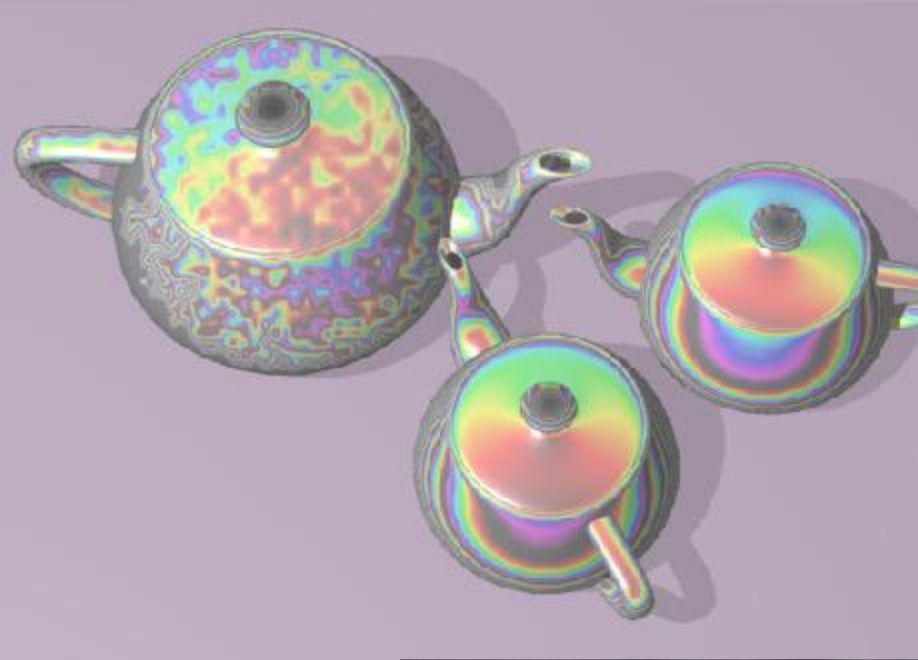




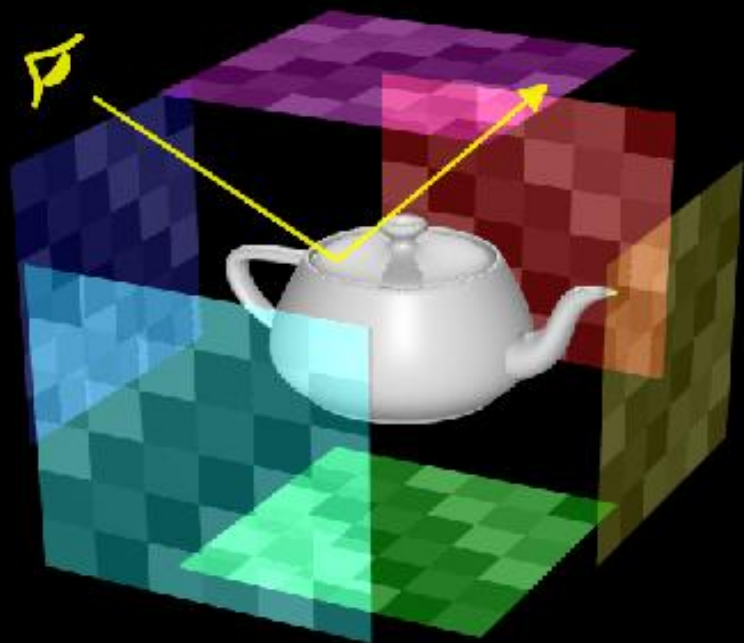


lattice noise

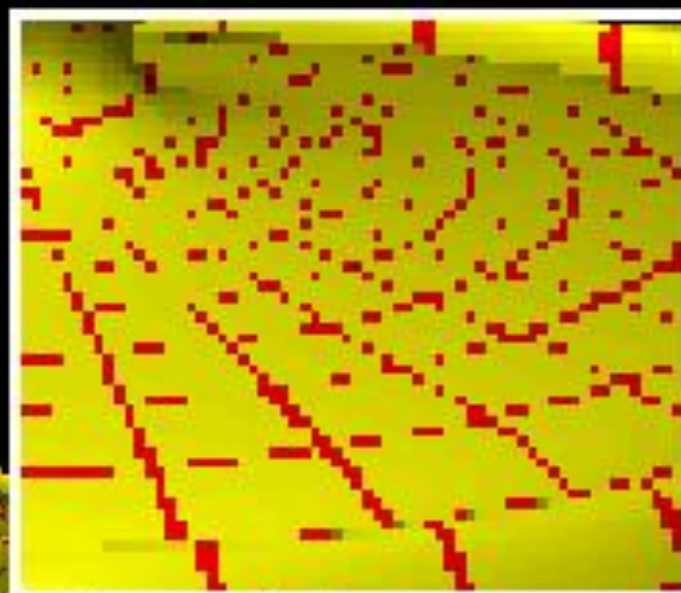
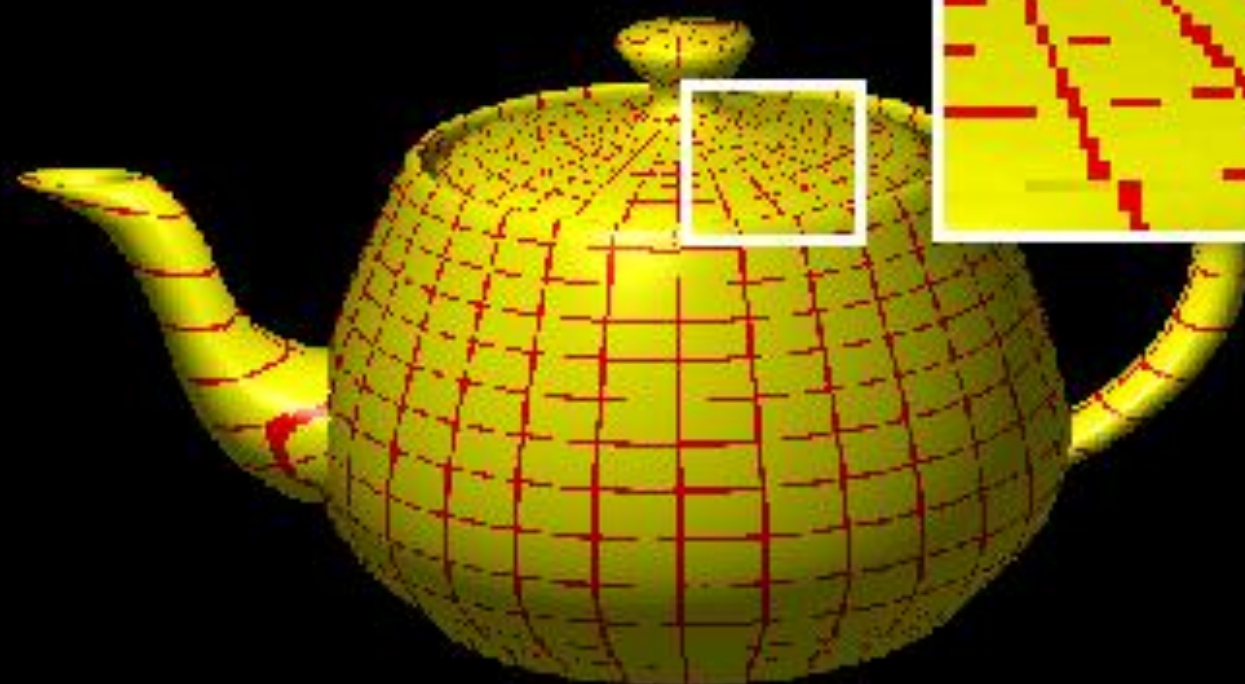








Aliasing

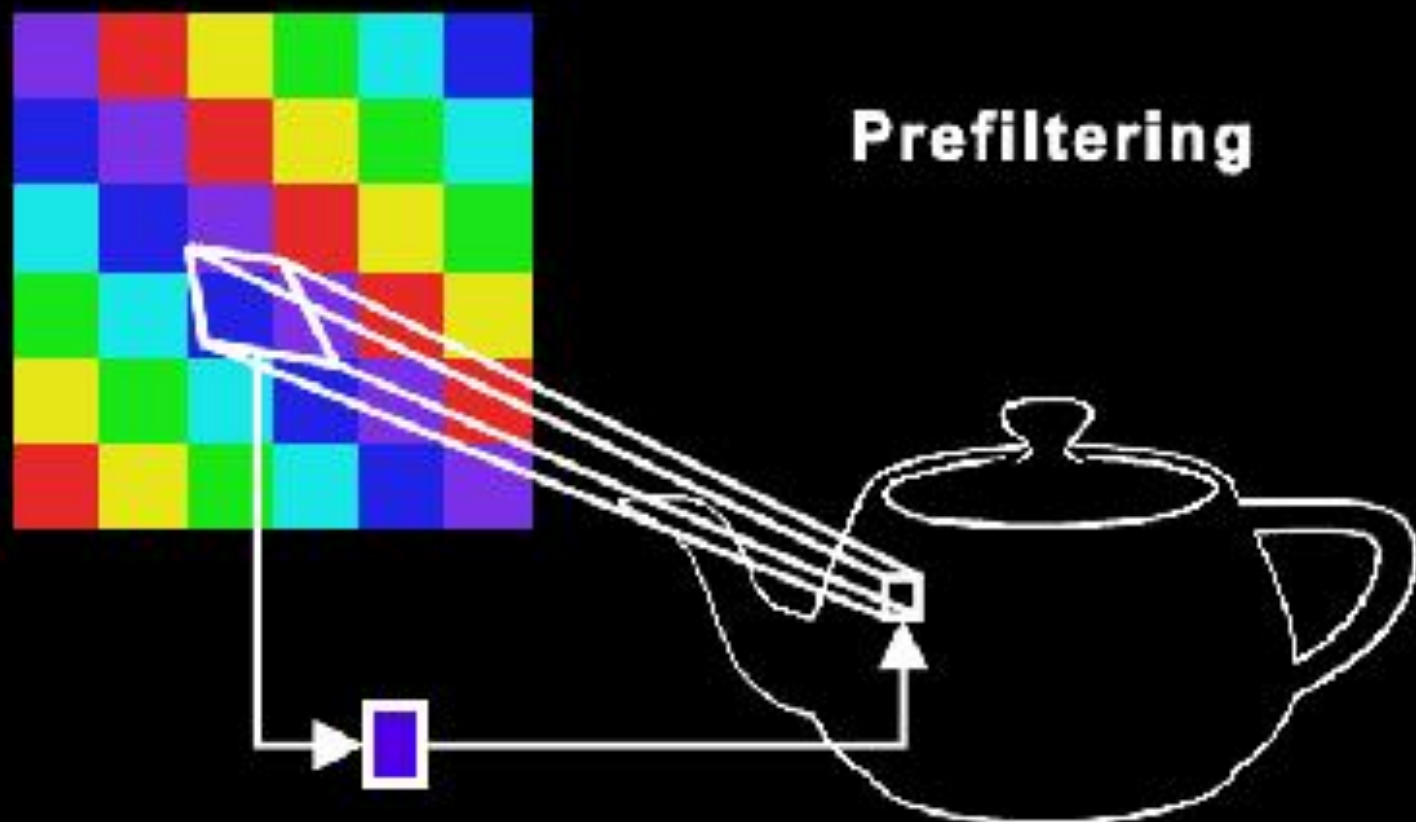




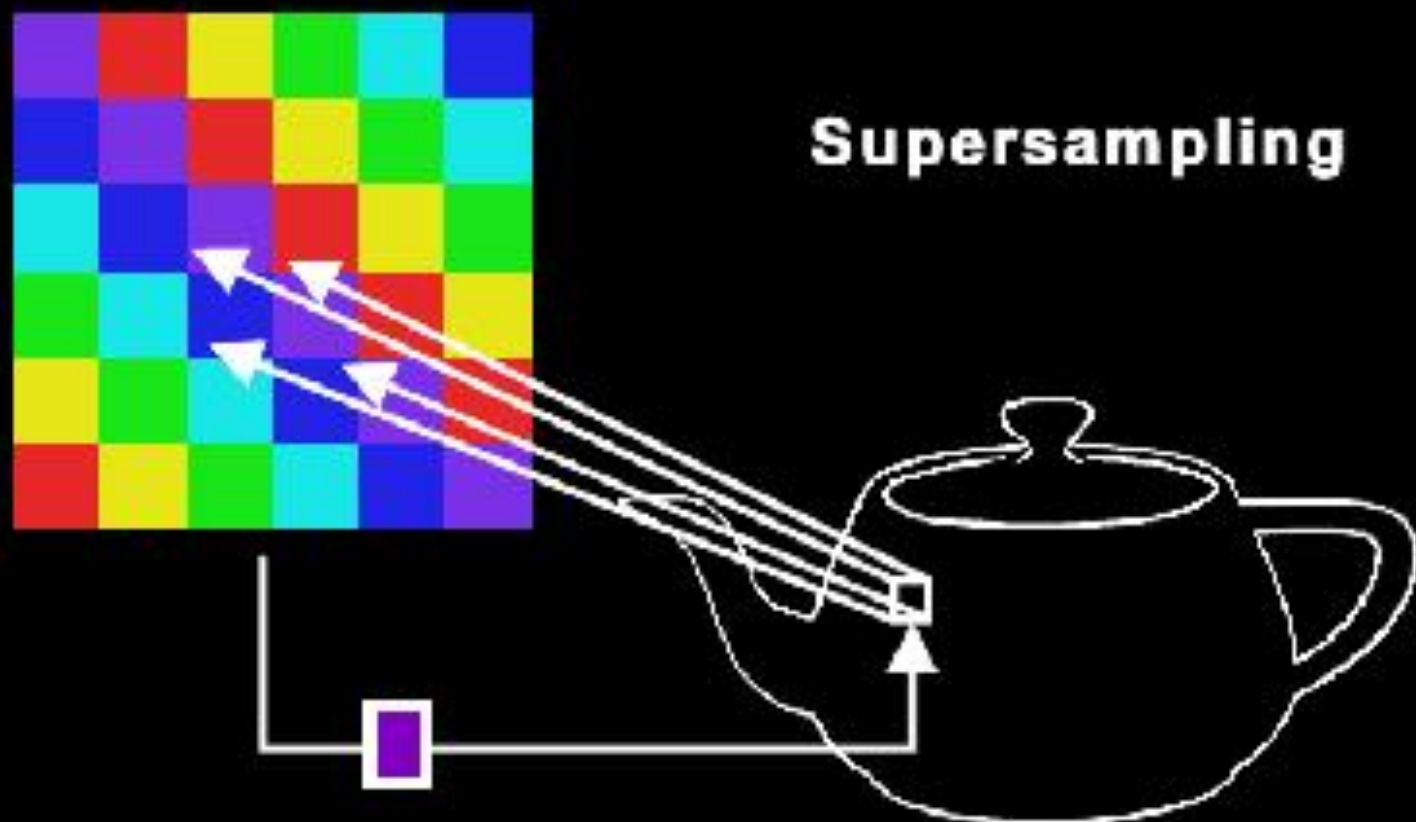
Undersampling



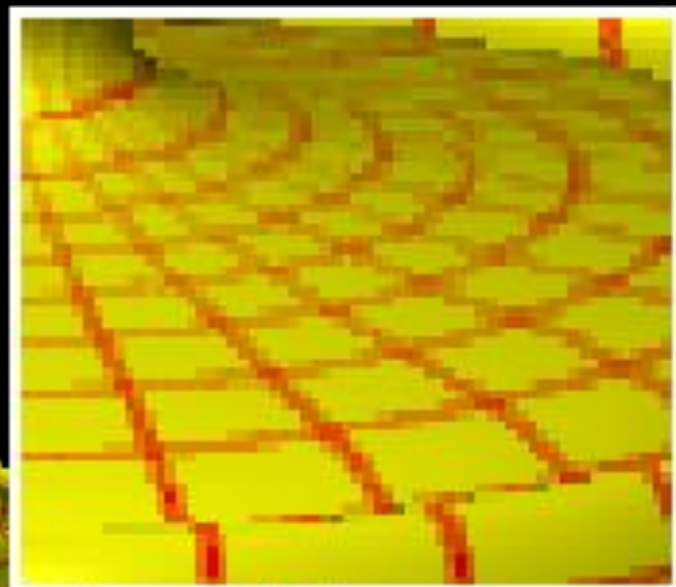
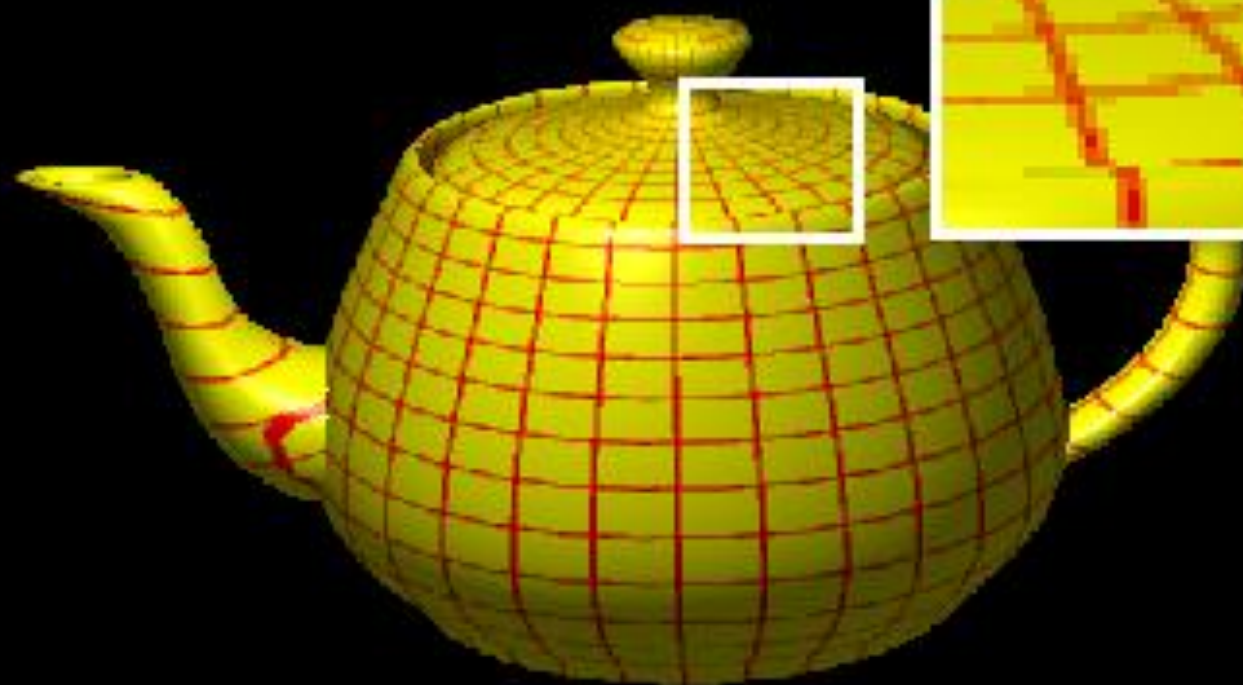
Prefiltering



Supersampling



Prefiltering



Mipmaps



1:1



4:1



16:1



64:1



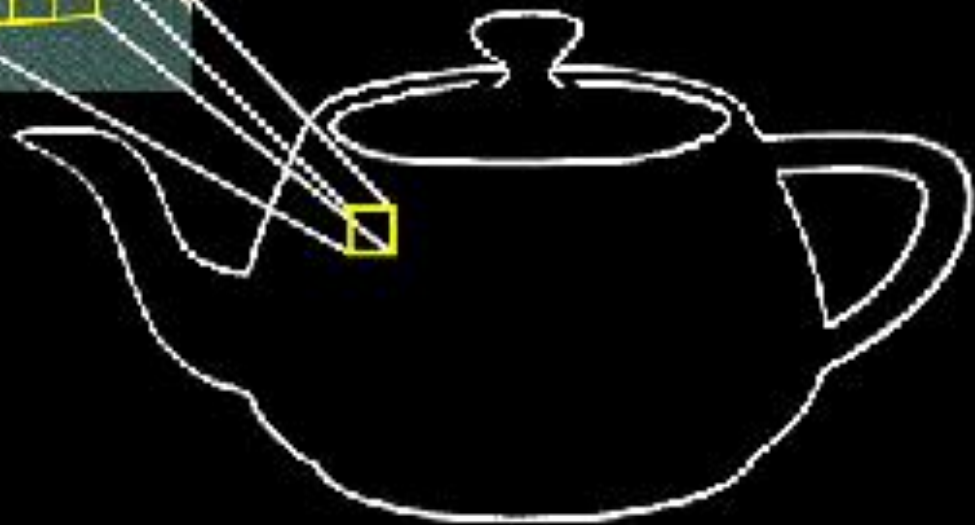
256:1



...



9:1





1:1

9:1



4:1



16:1



64:1



256:1

...



Prefiltering

