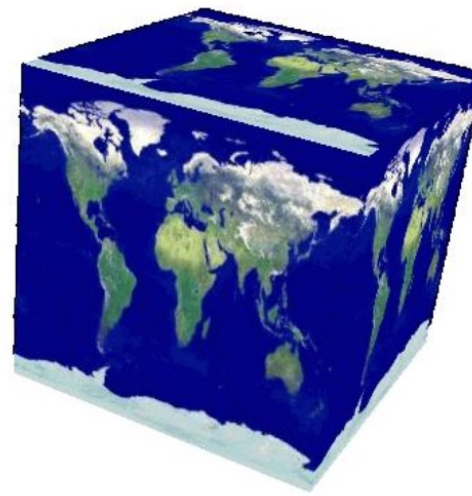
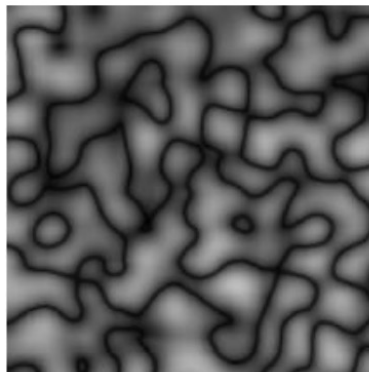
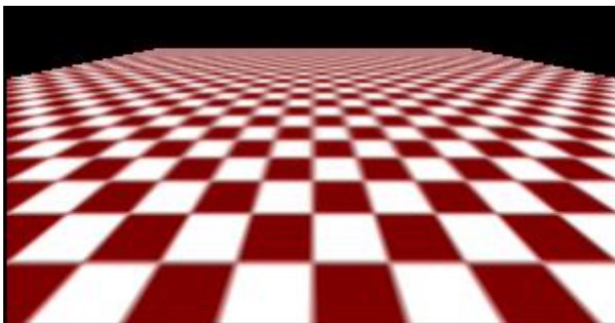


# 12 – texture mapping

# Texture Mapping



- A way of adding surface details
- Two ways can achieve the goal:
  - ❖ Surface detail polygons: create extra polygons to model object details
    - ❖ Add scene complexity and thus slow down the graphics rendering speed
    - ❖ Some fine features are hard to model!
  - ✓ Map a texture to the surface (a more popular approach)

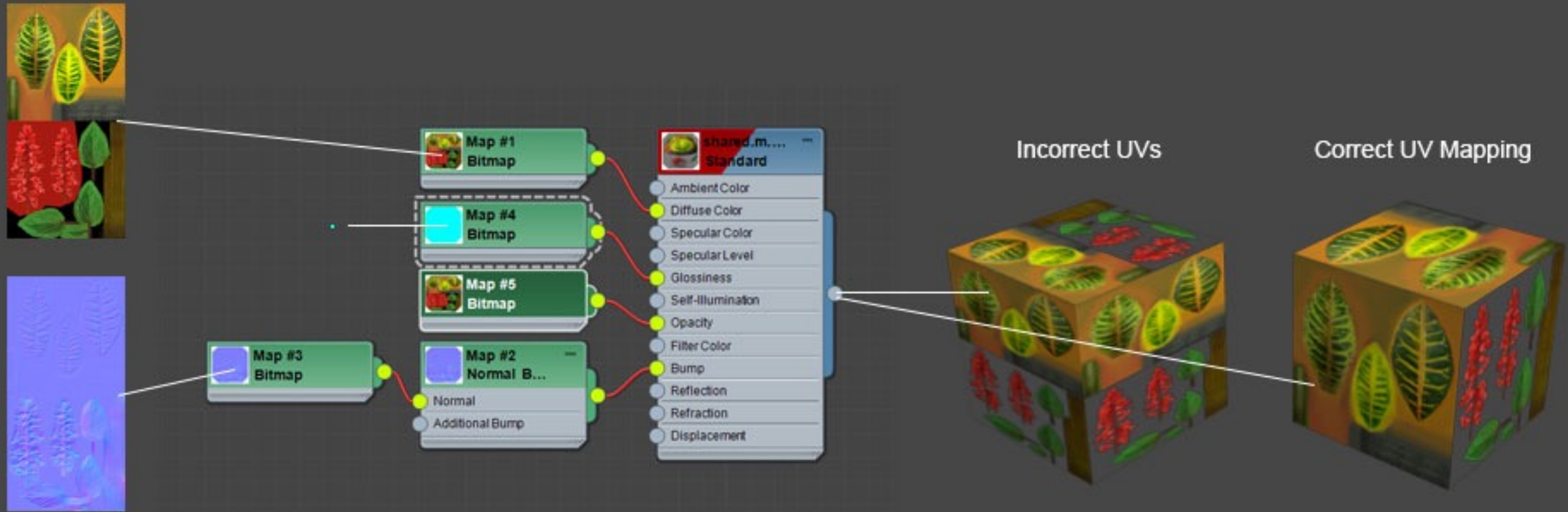


Complexity of images does  
Not affect the complexity  
Of geometry processing  
(transformation, clipping...)



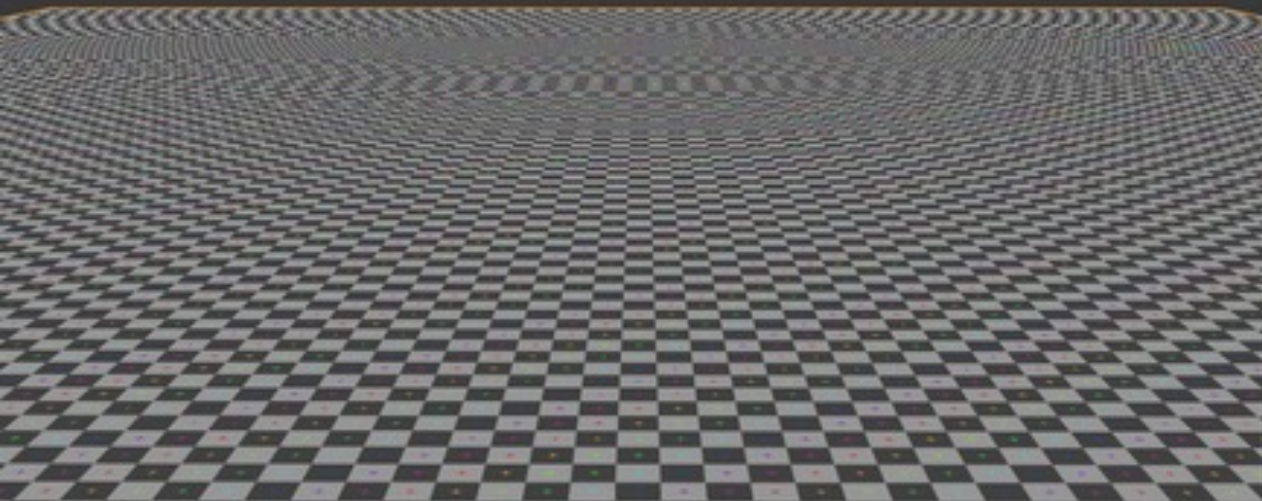
# Examples

Look at [threejsfundamentals.org](https://threejsfundamentals.org)

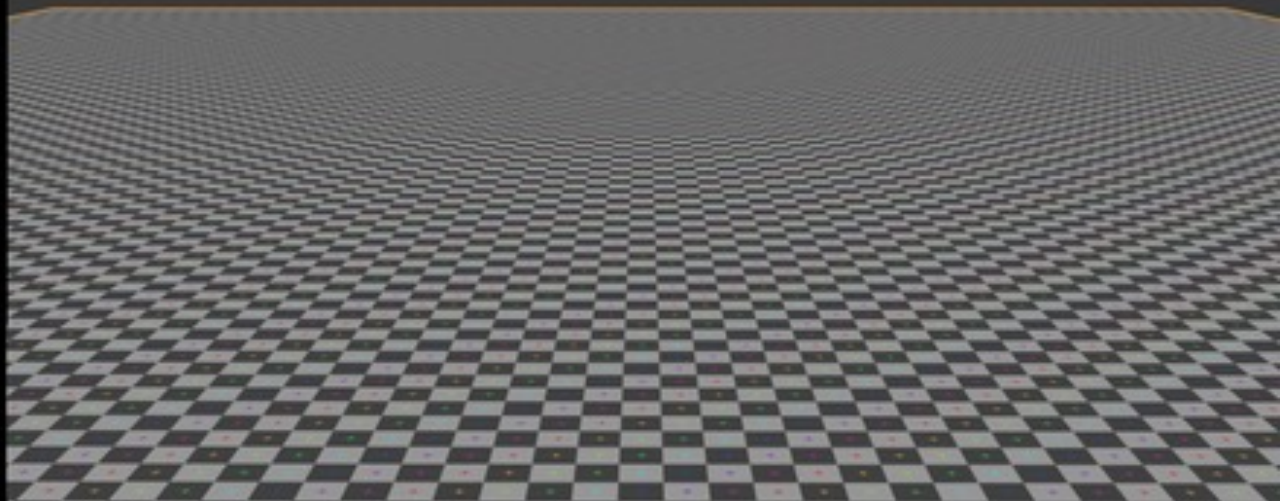


# MIPMAP examples

No MipMapping



With MipMapping



<https://www.wikiwand.com/en/Mipmap>

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Without mipmaps

With mipmaps

