3D Texture Mapping

CAP 3027 Fall 2015

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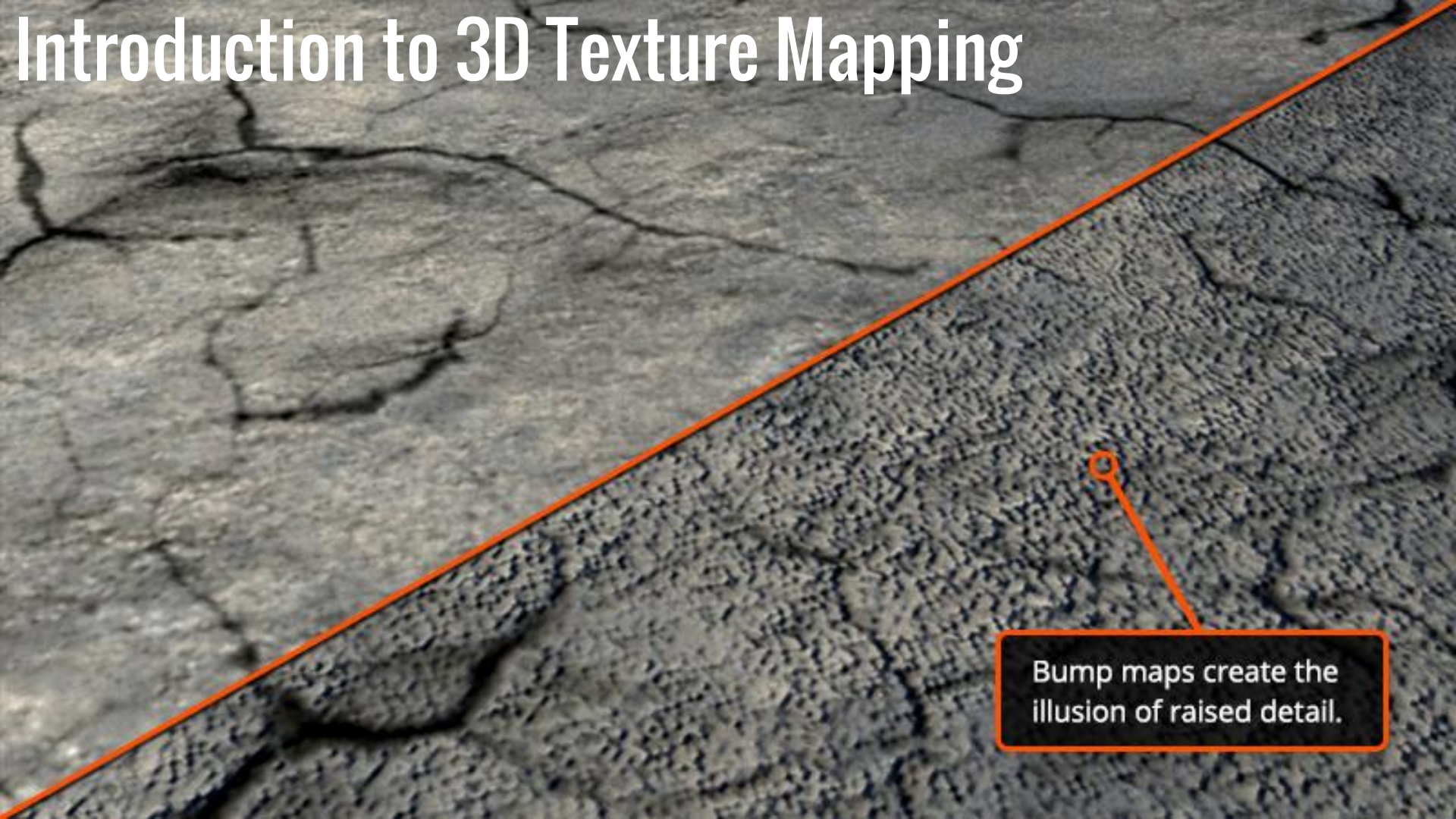
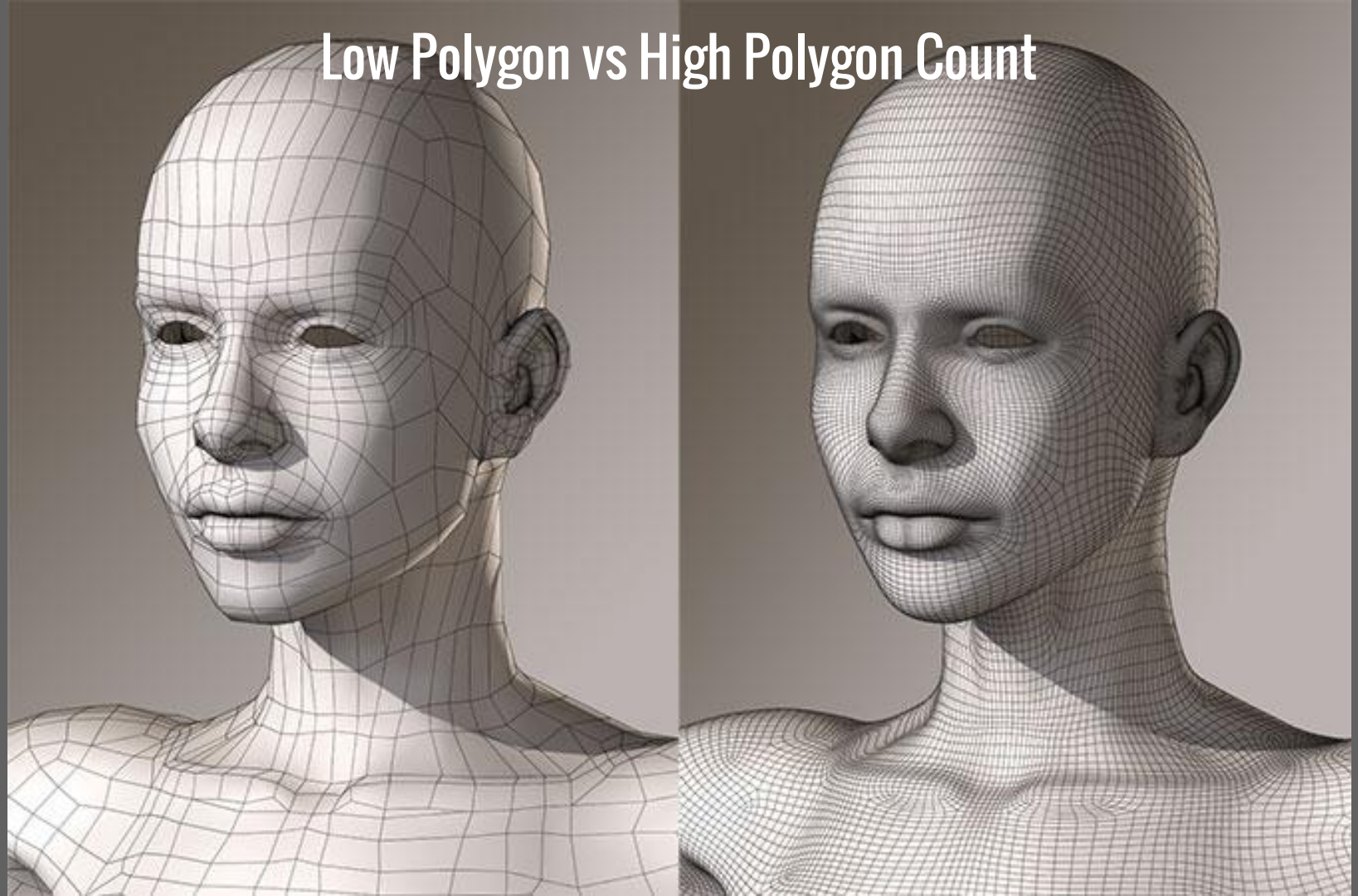
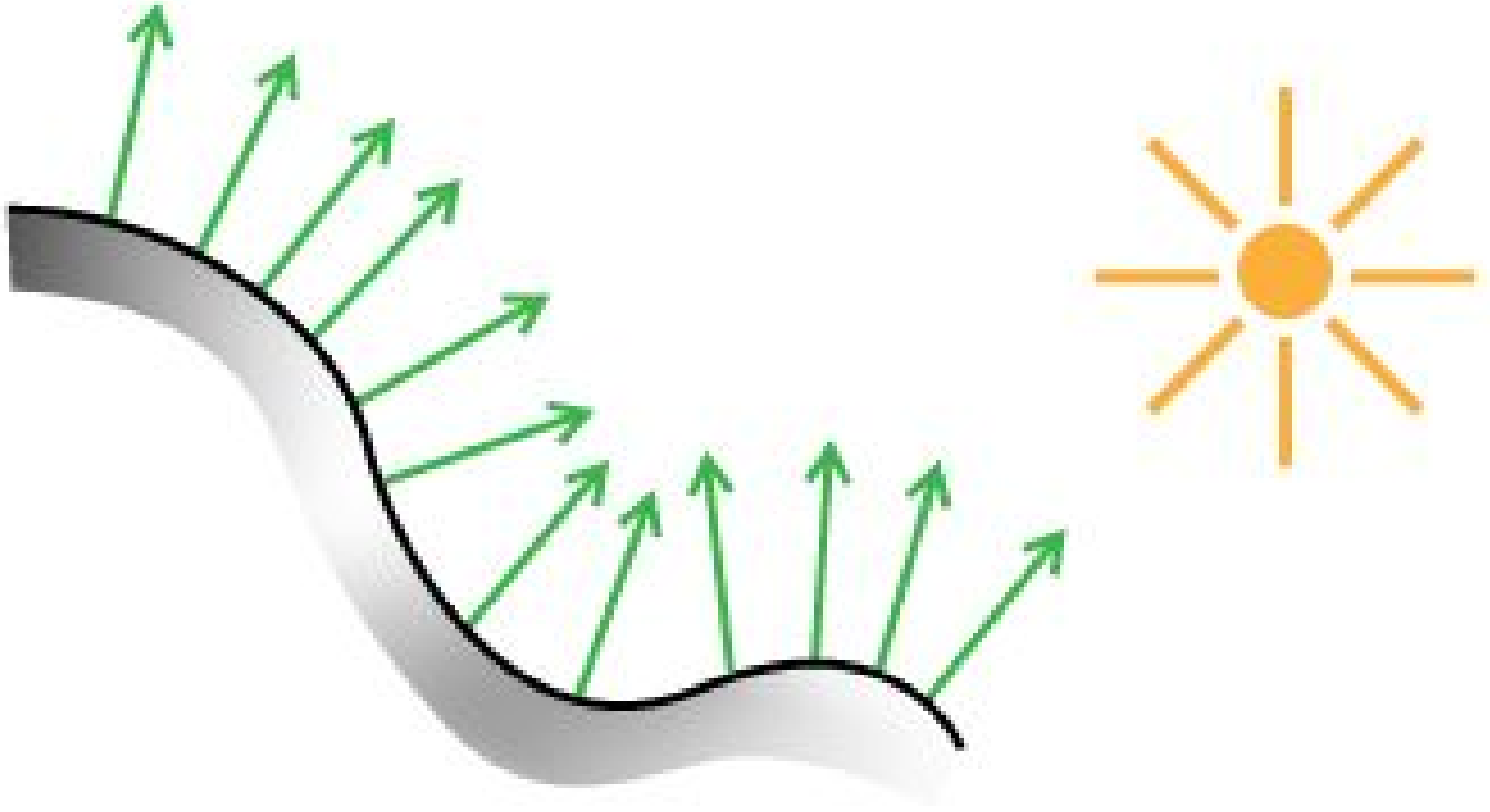
Introduction to 3D Texture Mapping



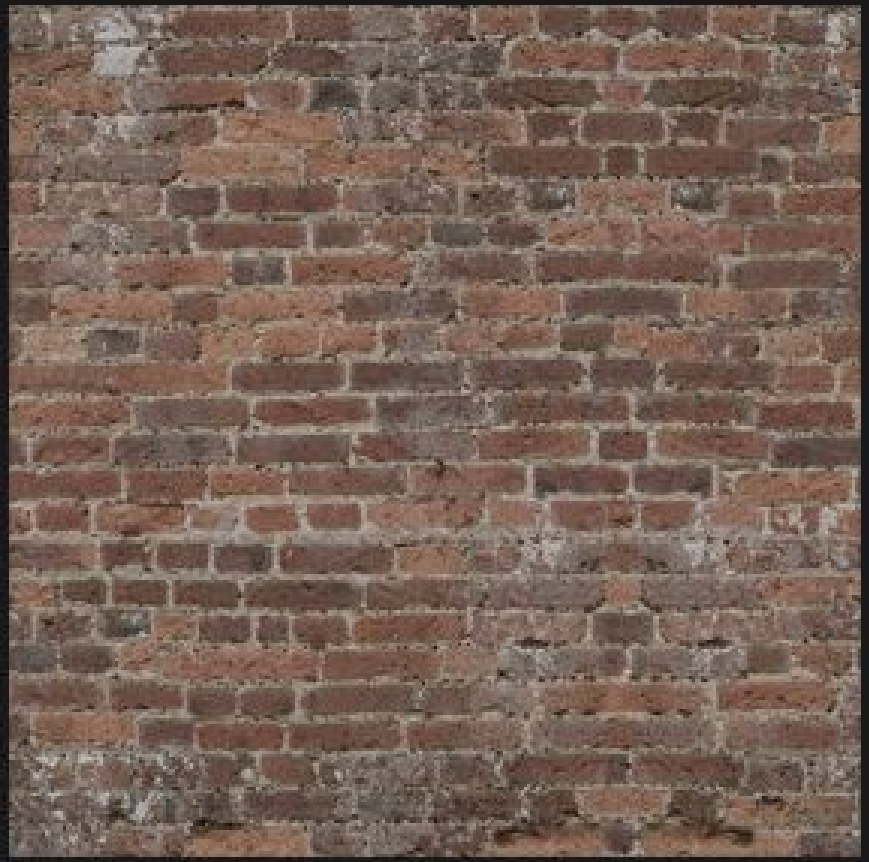
Low Polygon vs High Polygon Count



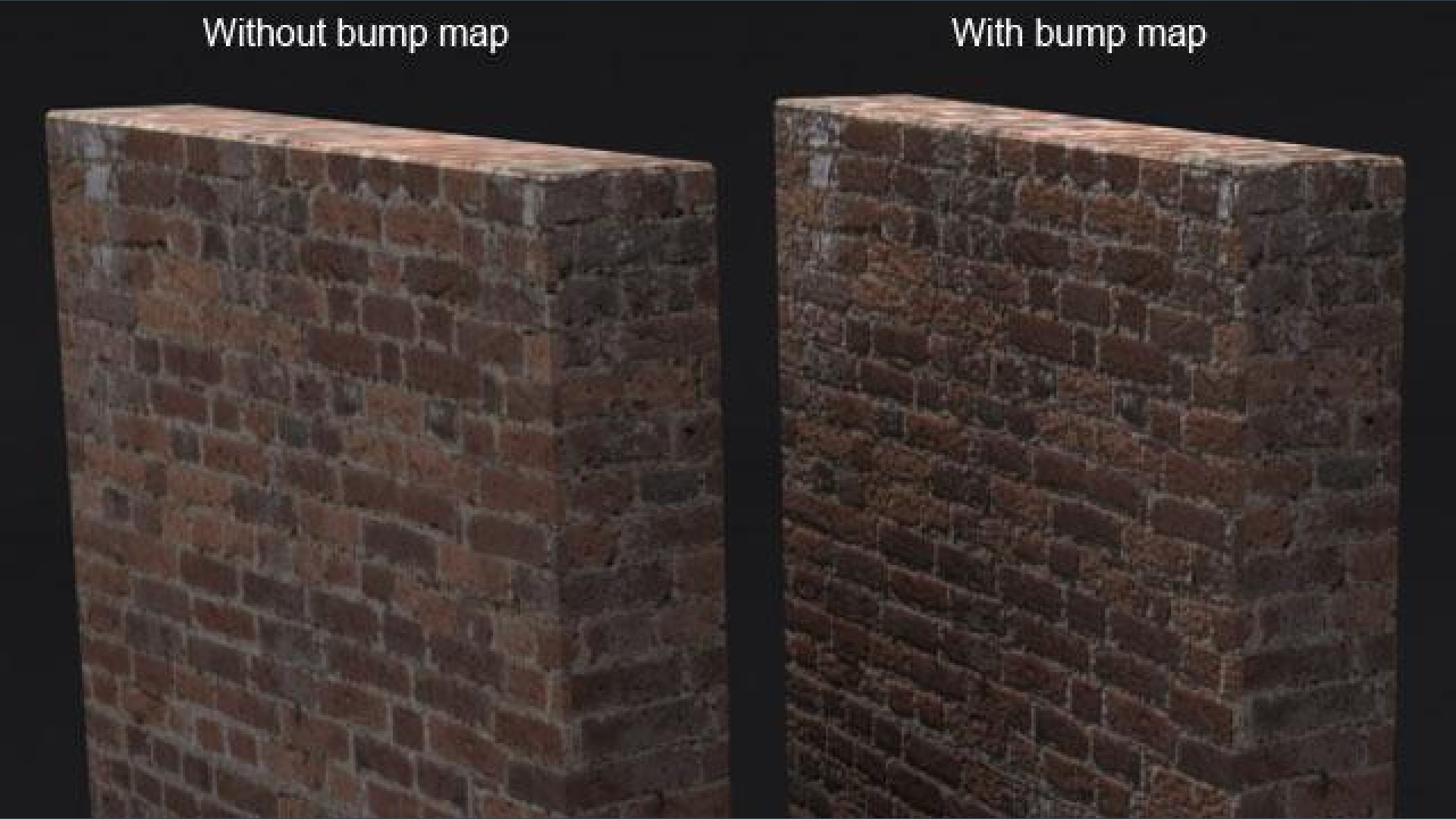


Bump Mapping

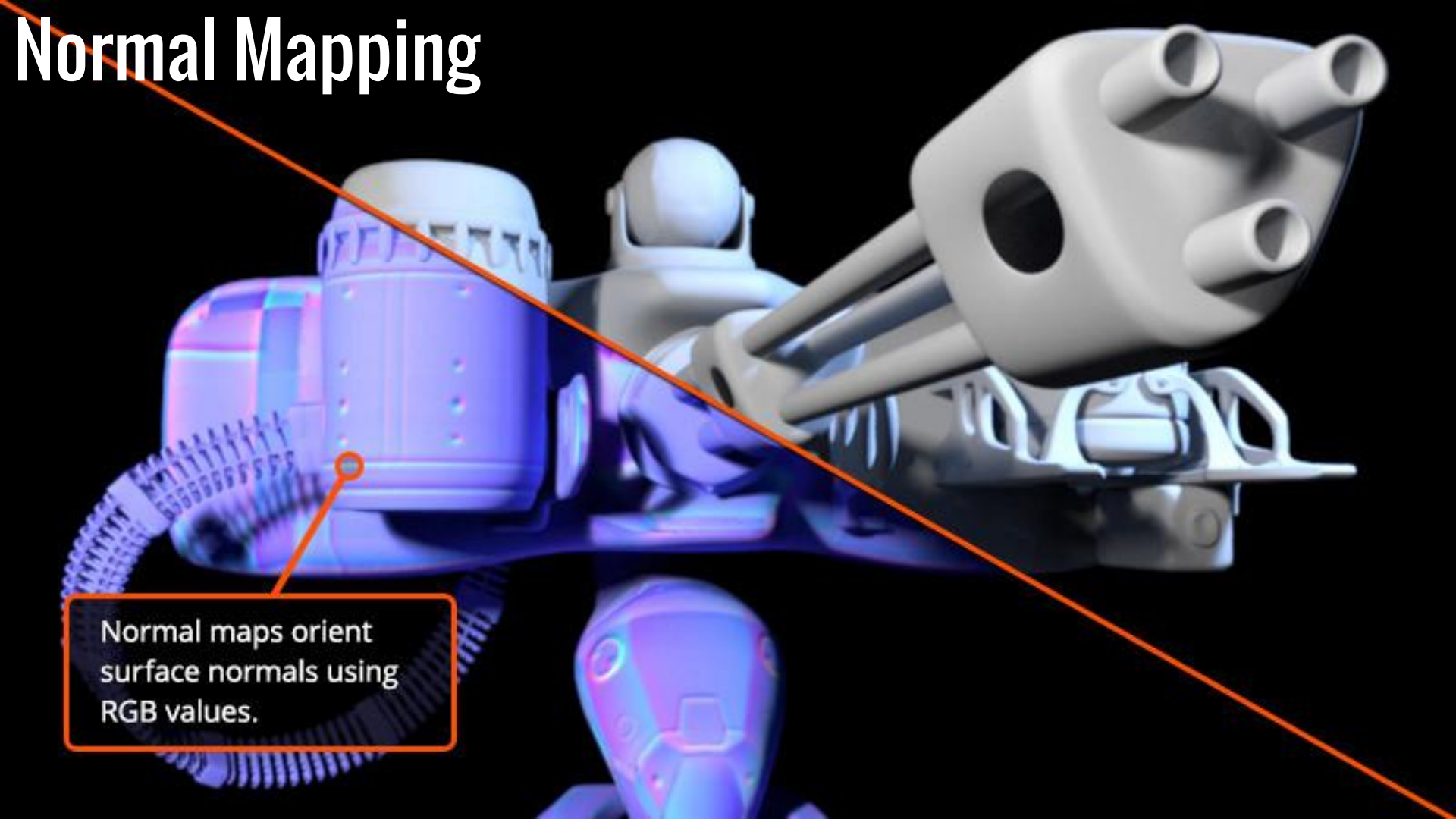
Texture map

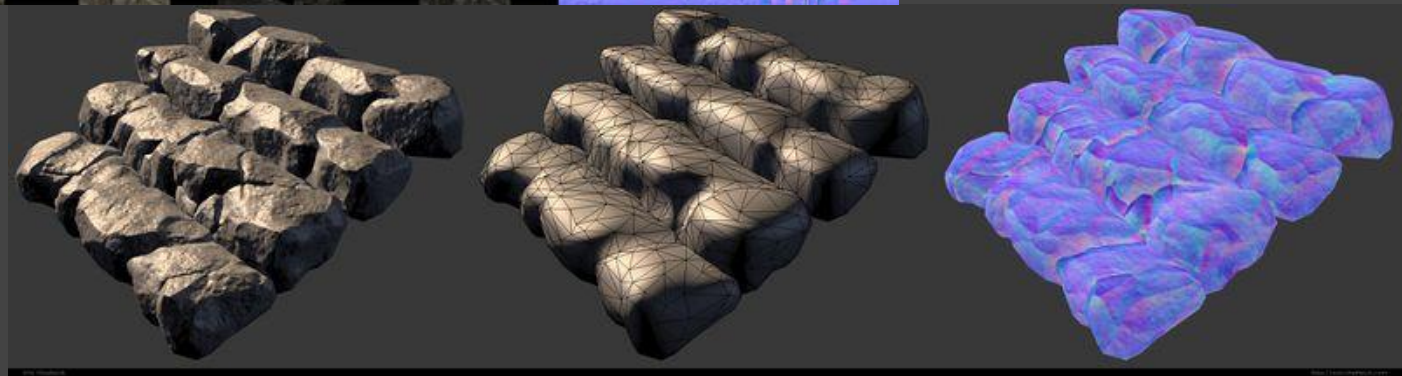


Bump Map

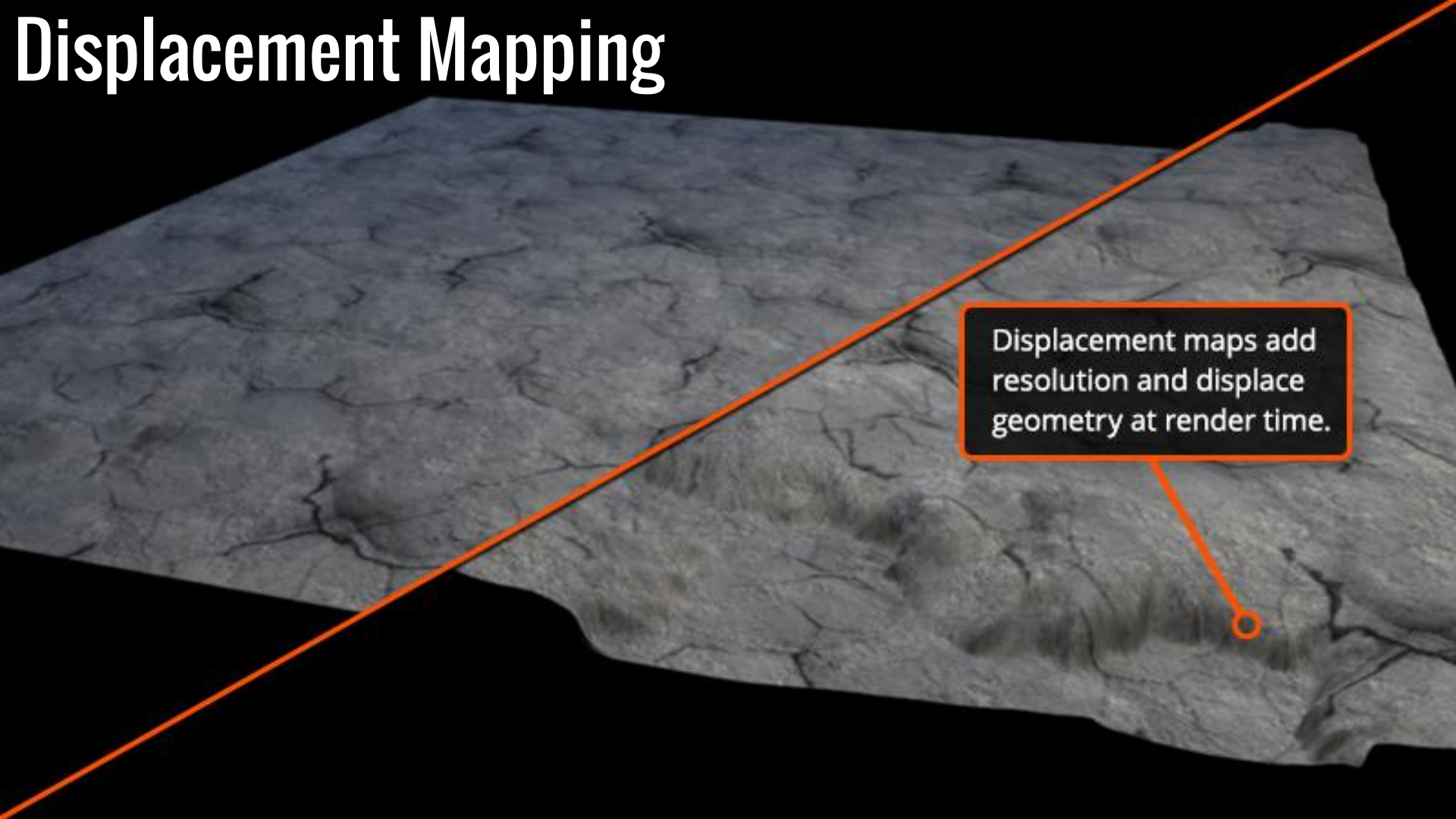

Without bump map
With bump map

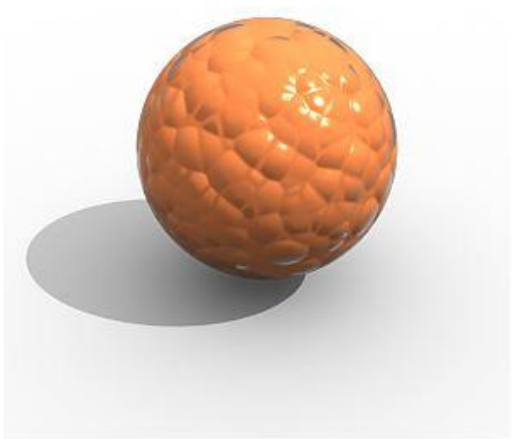
Normal Mapping



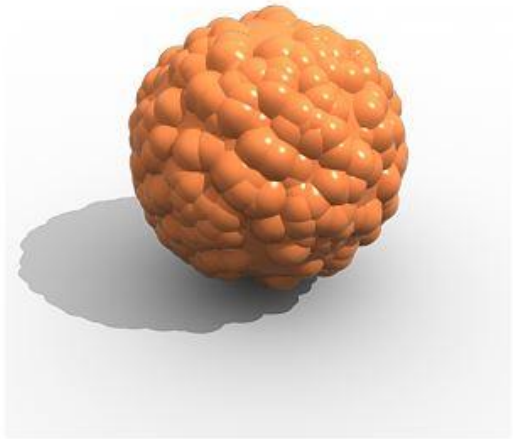


Displacement Mapping

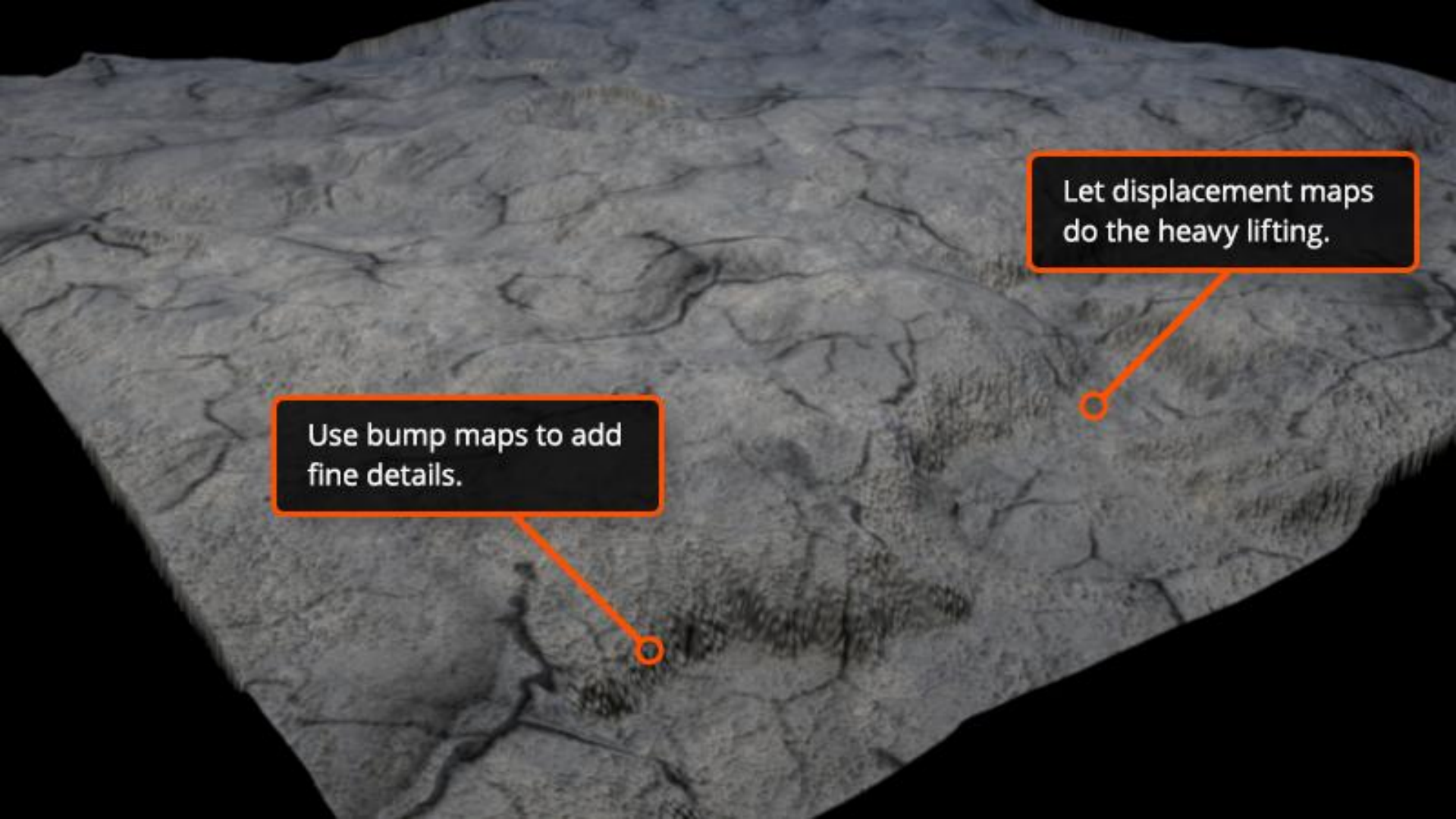
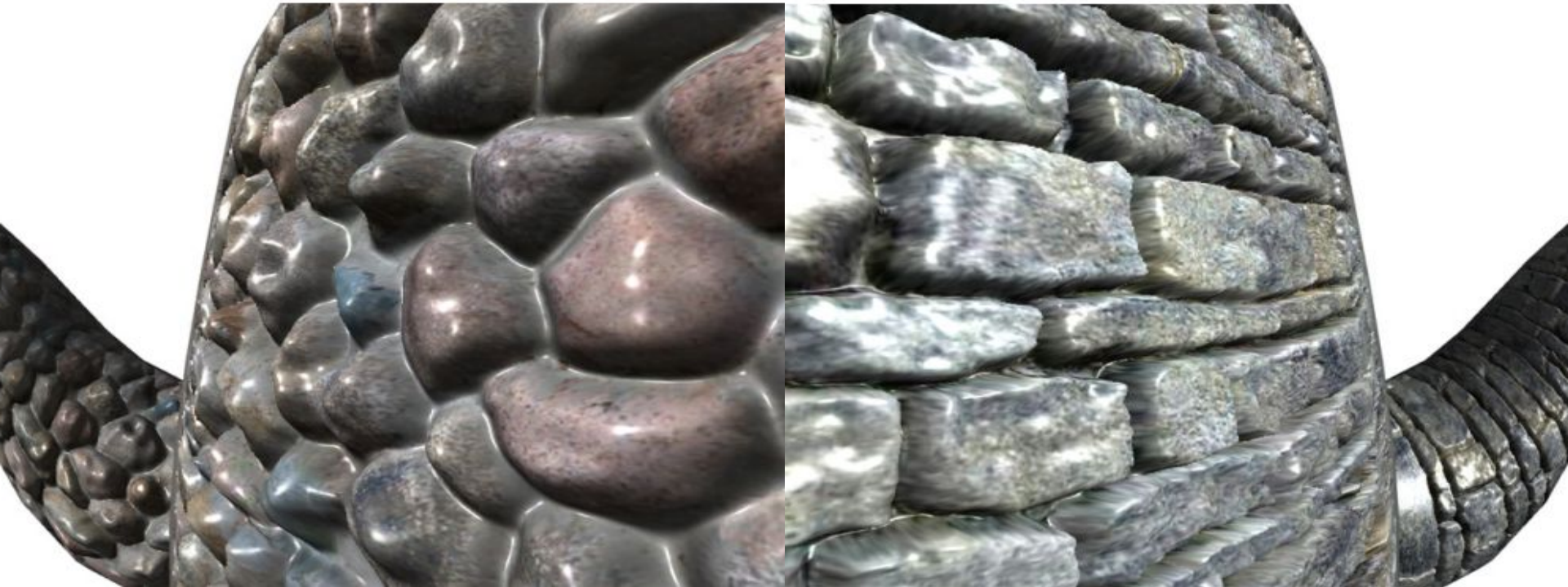




Bump mapping



Displacement mapping


Let displacement maps do the heavy lifting.
Use bump maps to add fine details.

Relief Mapping