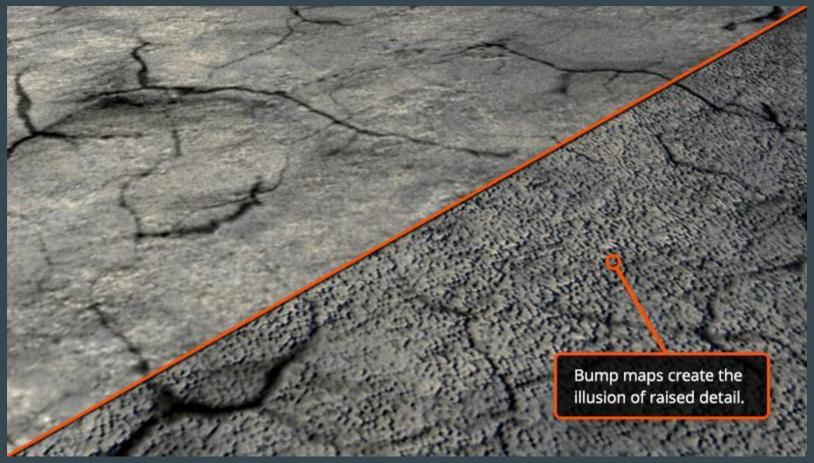


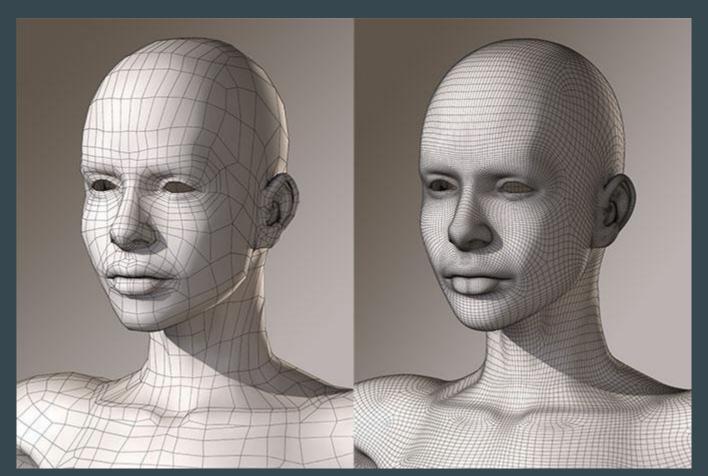
Bump Mapping CAP 3027 Fall 2015

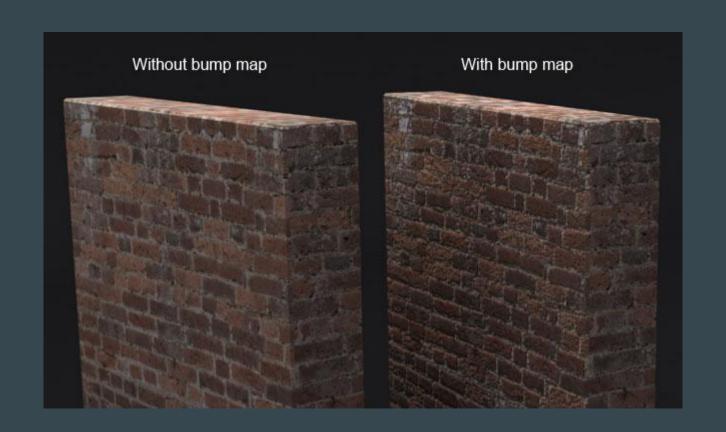
Nicola Frachesen | Richard Li | Natalie Rumak | Xiaoxi Zheng

Bump Mapping

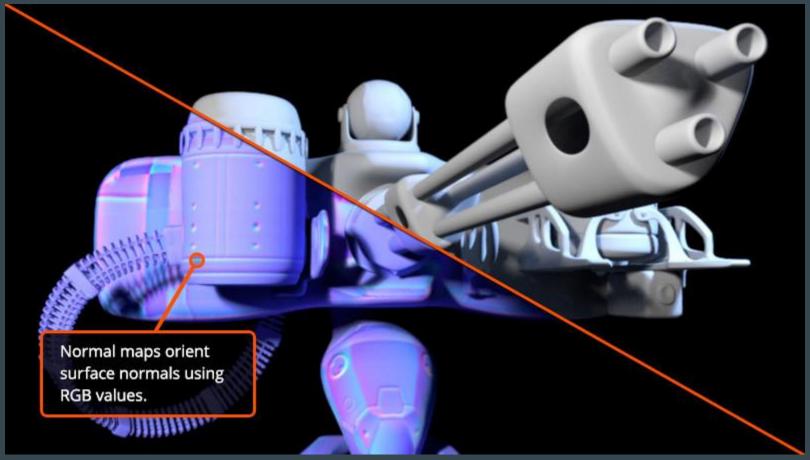


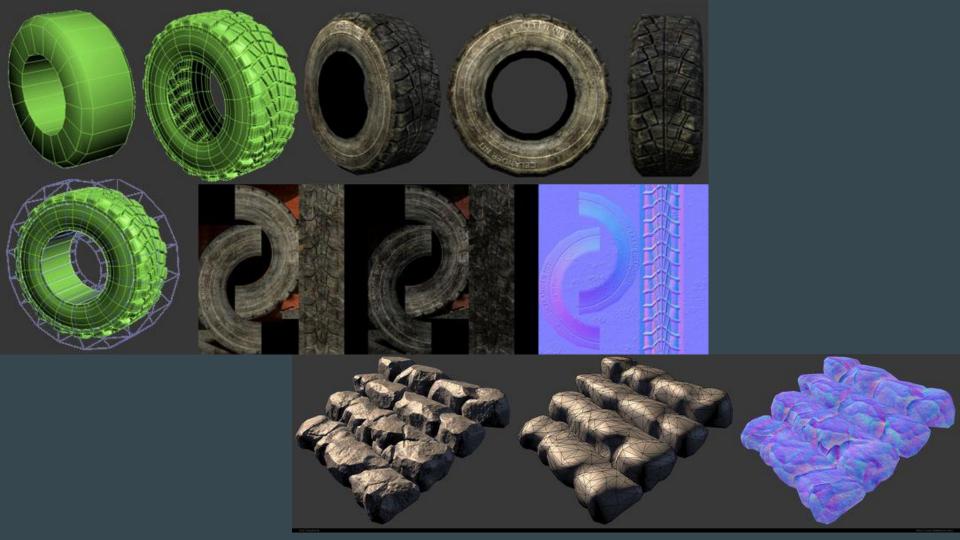
Low Polygon vs High Polygon Count



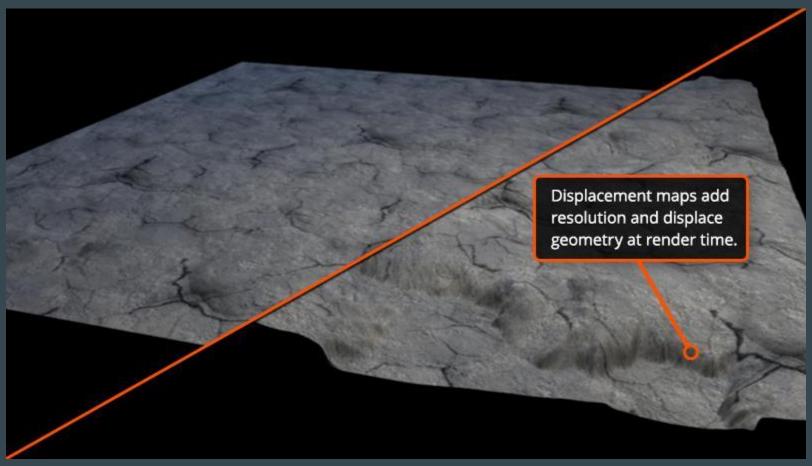


Normal Mapping

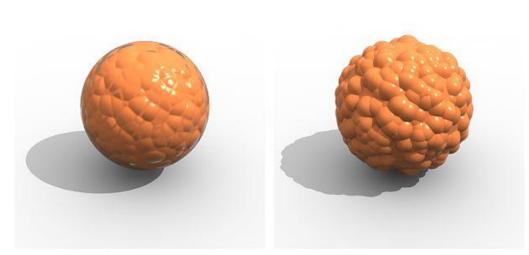




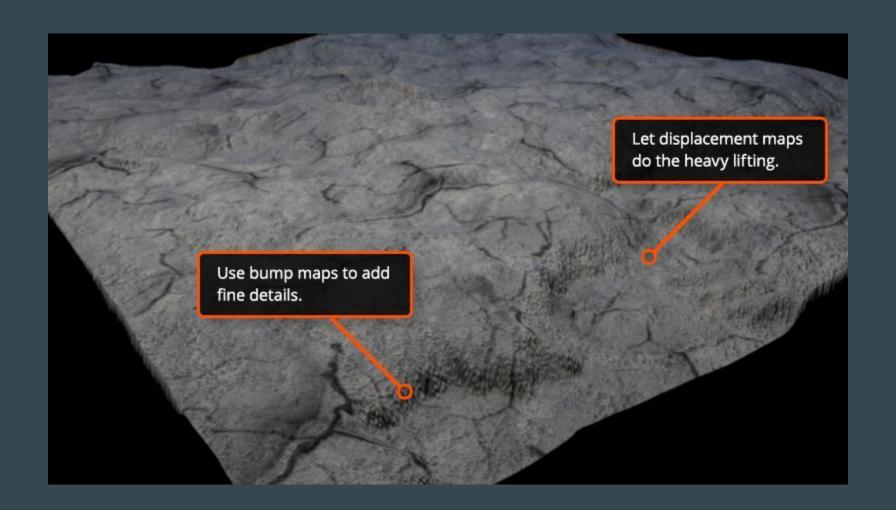
Displacement Mapping



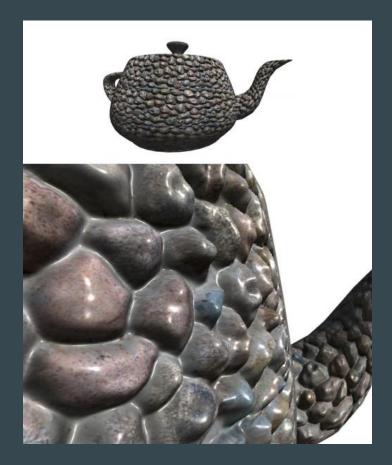


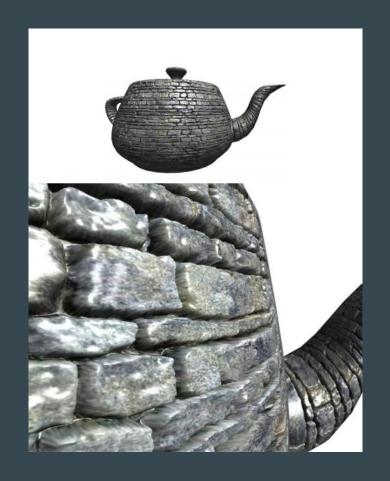


Bump mapping Displacement mapping



Relief Mapping





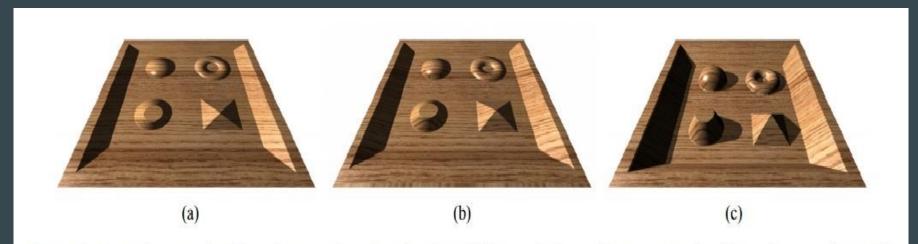


Figure 19: One polygon rendered from the same viewpoint using three different techniques: (a) Bump mapping, (b) Parallax mapping and (c)