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PBM and PBL: objectives

- Make realistic-looking materials easier to design (by material artists)
- Make it possible to *capture* materials from Real World samples
- Make it easier to that a reasonably realistic-looking lighting ... under a wider range of simulated lighting conditions
- Standardize Materials, and make it easier to share a material description across different project / applications / games
- Ideally: more real-world materials can be described accurately using a unified model
- Use few parameters (to ease storage, authoring, editing), with each parameter standardized in a 0 to 1 range
- Ideally: no combination of Material parameters looks wrong (unlike, e.g., high spec. color & low specular exp, in phong)

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| Material Assets (examples) | | |
|--|---|-------------------|
| Re M M T T T T T T T T T T T T | RoofTile_D Shader Stader Indering Mode Indering Mode Indering Mode Indering Mode O Metallic Image: Smoothness Image: Normal Map O Height Mak Ing X 1 V 1 Stet Image: Normal Map Image: Normal Map | |
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