Bringing RADIANCE Power to the people

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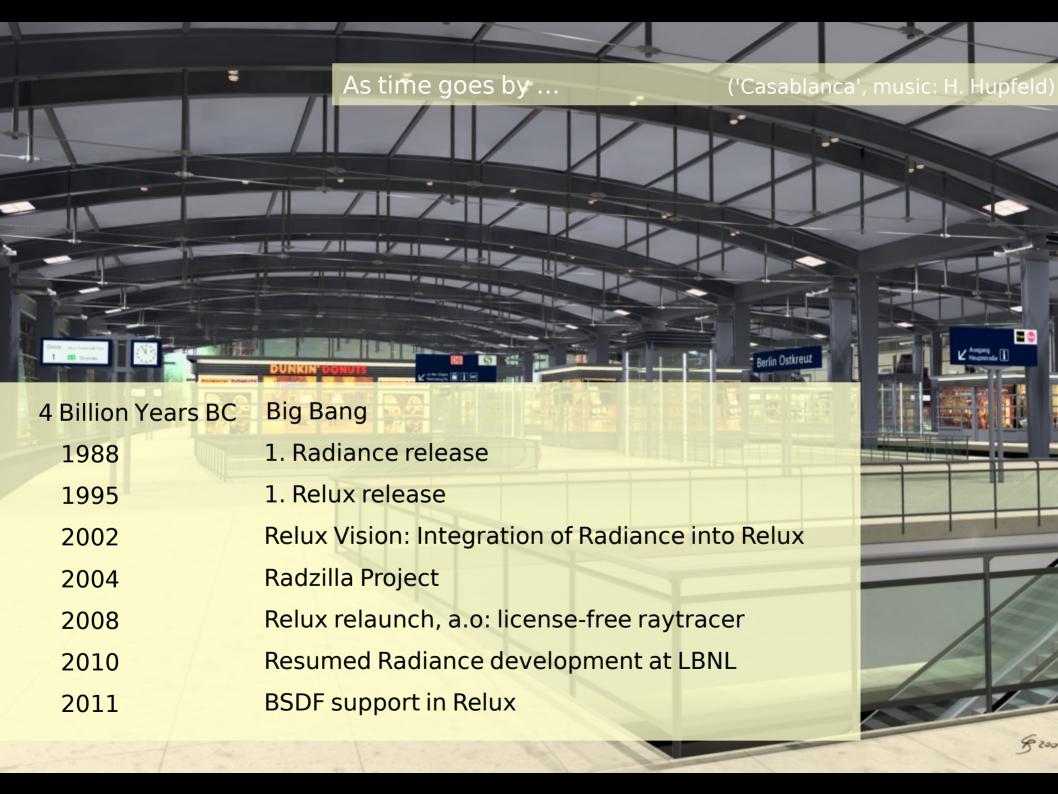
** pdf version, some images differ from original presentation **

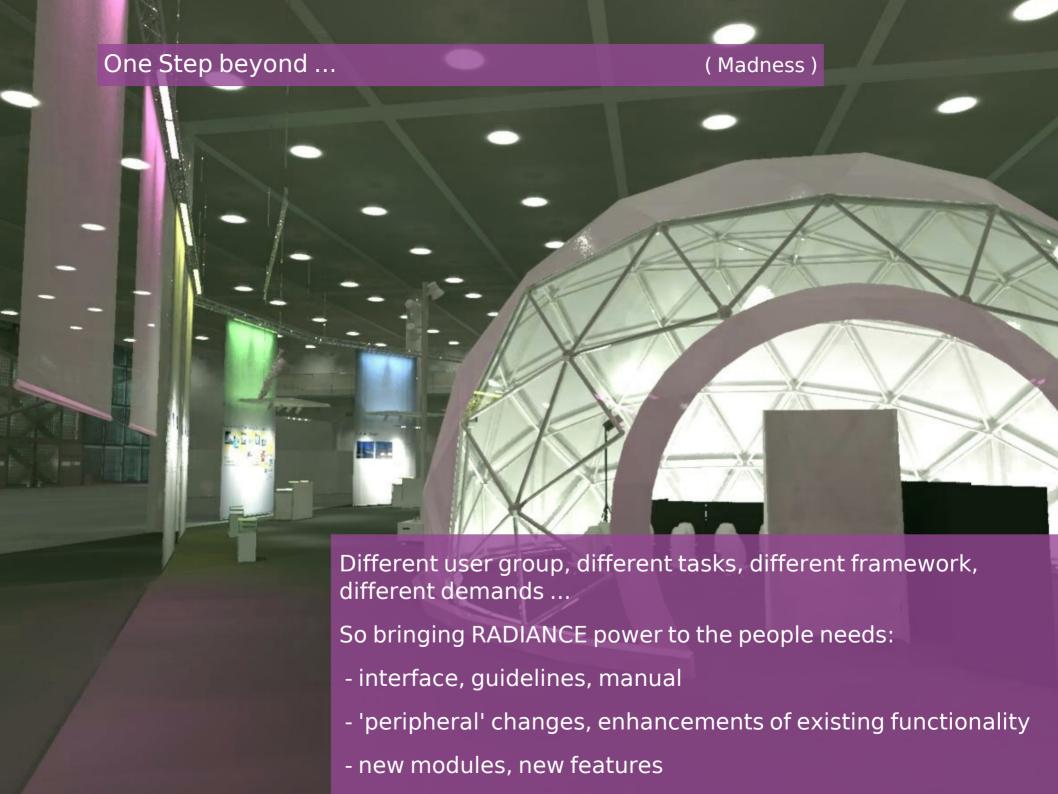


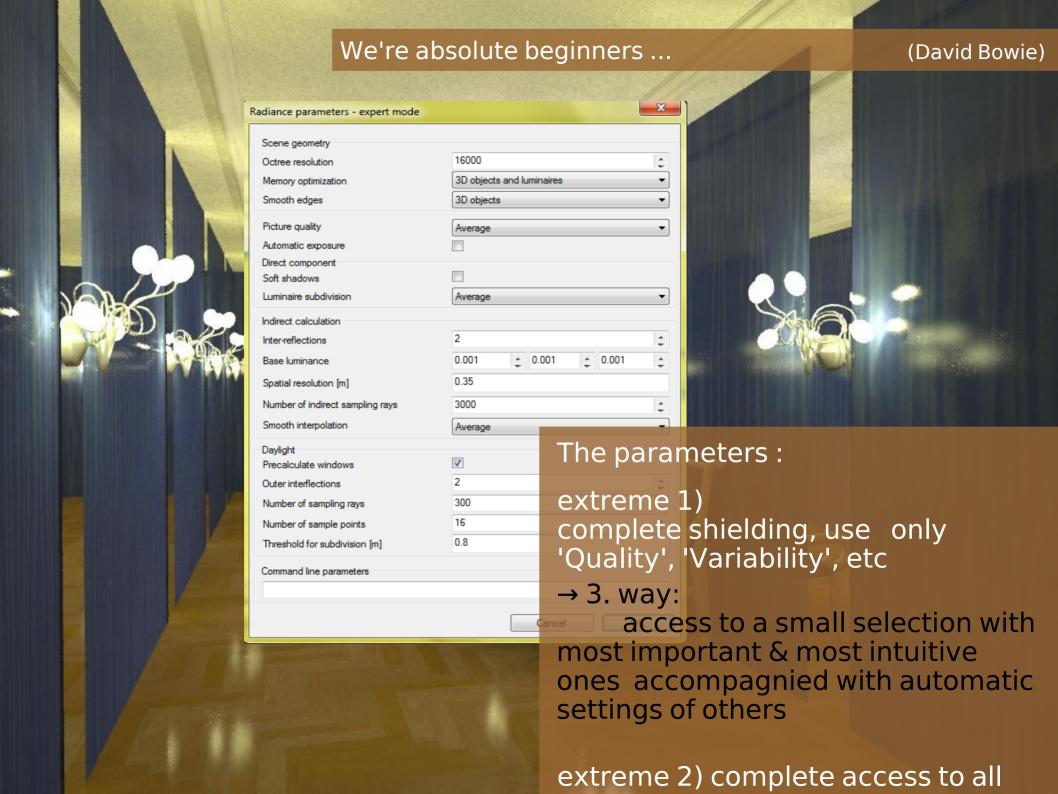




The Bad & the Ugly







THE RAYTRACING METHOD

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Fig. 3 Raytracing scenarios: examples for ray starting points

Primary view rays emitted from the observers point of view (left) and shadow testing rays sent out from points within the scene.





Fig. 4 Raytracing scenarios: examples for varying numbers of rays

Indirect sample rays for determining the surrounding luminance (left, see chapt. 5) and a bunch of shadow testing rays to simulate penumbras (right, see chapt. 4).





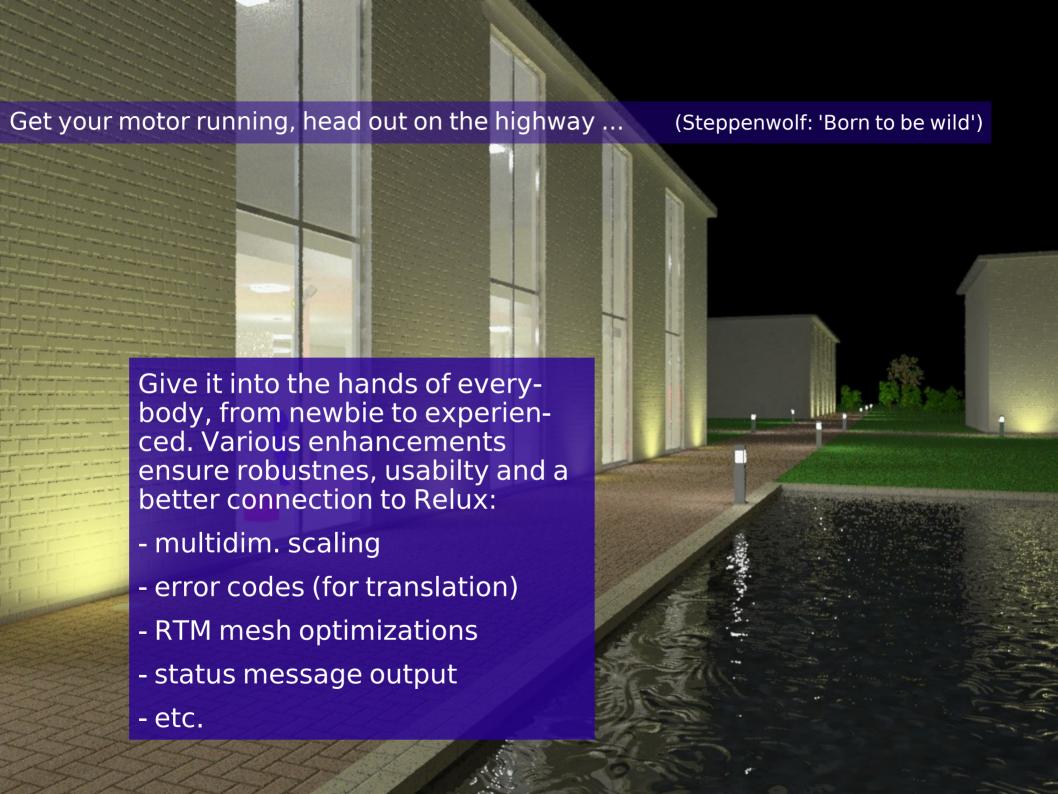
Fig. 5 Raytracing scenarios: examples for ray continuation

Several bounces of rays for the diffuse indirect illumination (left, see chapt. 5) and pursuing rays through transparent objects (right).

M ... The Raytracing Manual

oduction into the Raytracing method for something without academic background

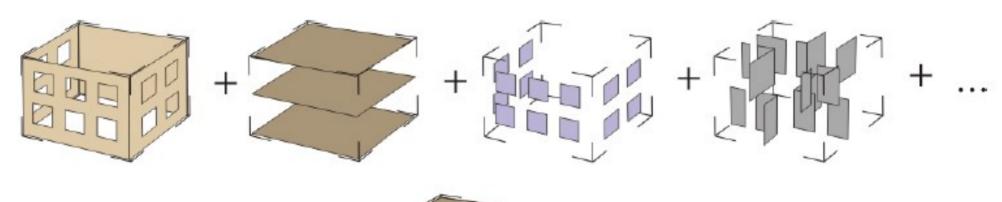








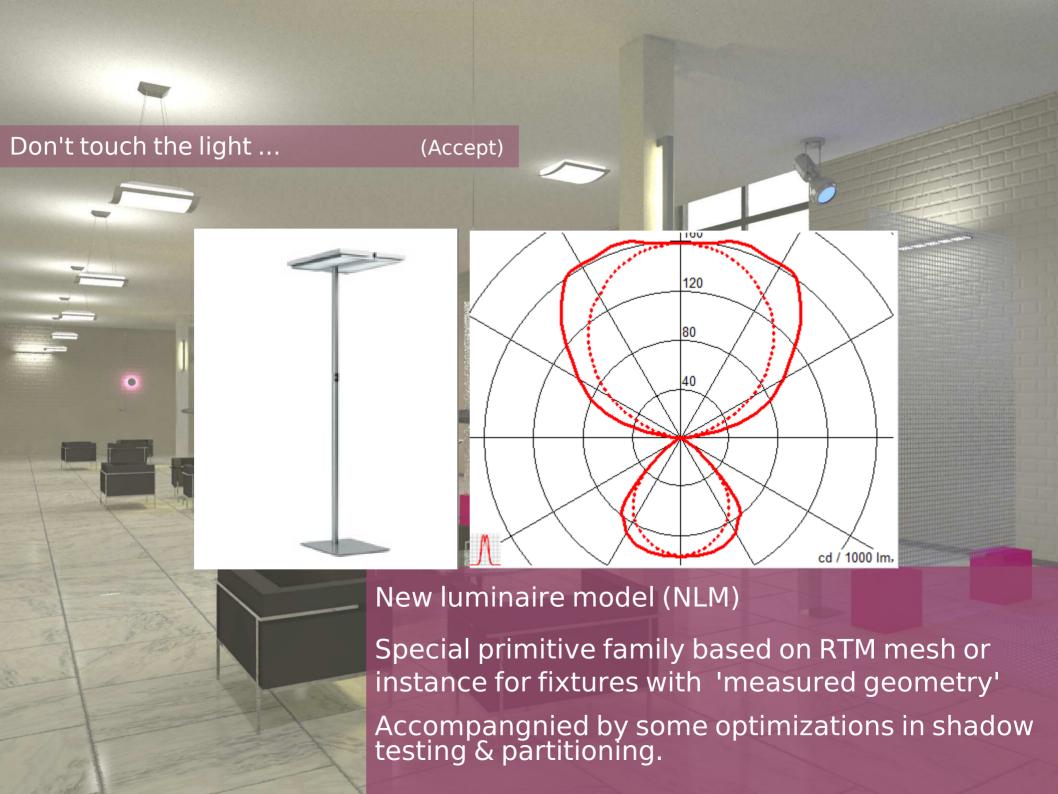
(Die Ärtzte)





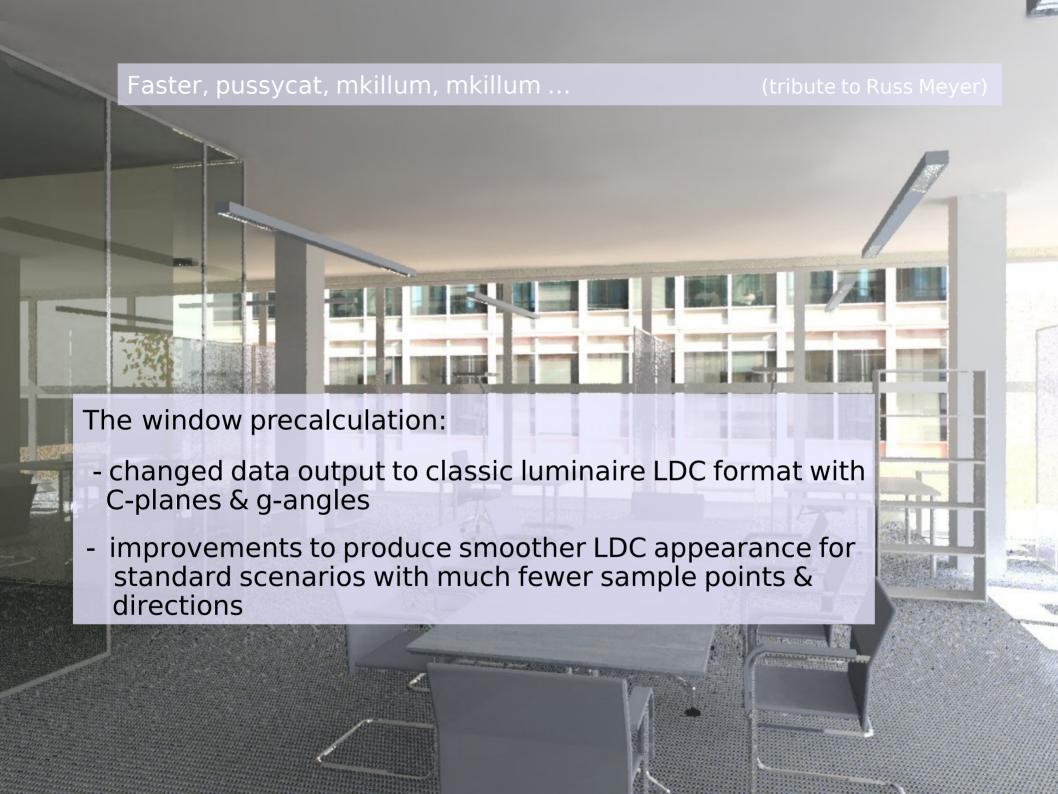
The 'overlapping bounding box problem':

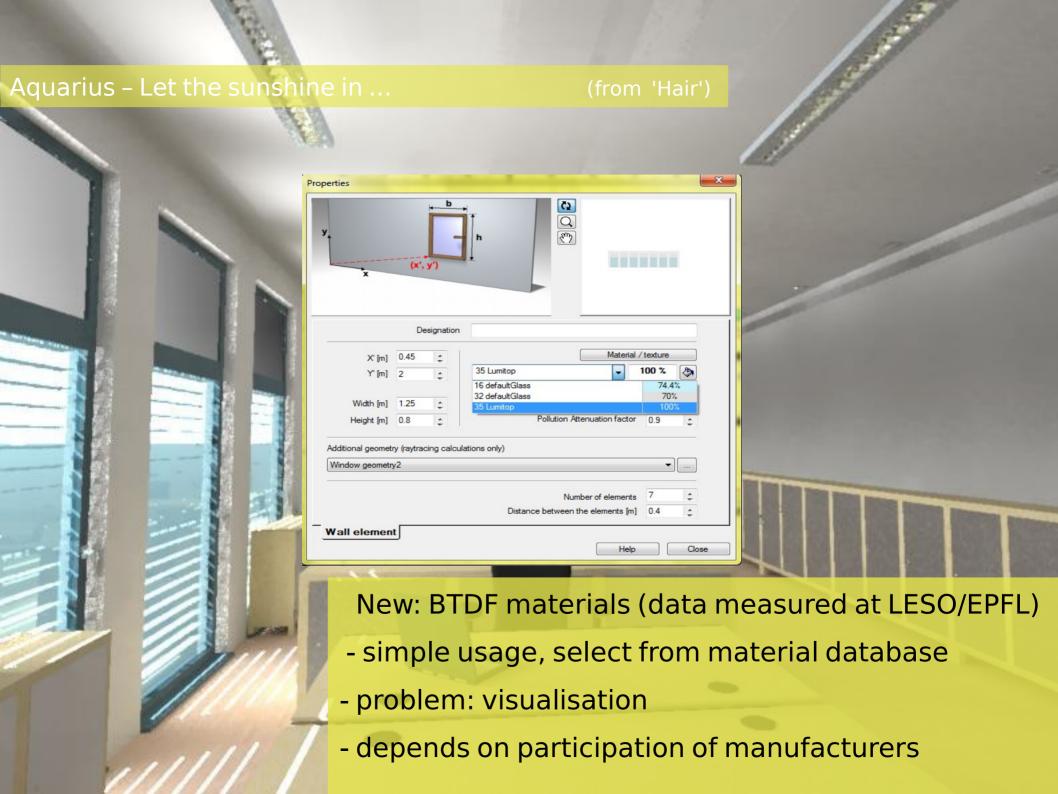
 peeping into the octree of instances/RTM meshes needed to increase robustness in scene setups with instanced geometry













The End