State of the Art in Photon Density Estimation

Conclusions

SIGGRAPH 2012, Course

THURSDAY, 9 AUGUST 2:00 PM – 5:15 PM | Room 408B
Regular Photon Density Estimation

- Original photon mapping
- Relaxation of photon distributions
- Photon differentials
Progressive photon mapping
Extensions on various aspects
Probabilistic formulation for easy conversion
Participating Media

- Photon mapping and participating media
- EM–based density estimation
- Photon beams
Industry Applications

- Artist-friendly rendering system of beams
- Photon mapping in PRMan
- Progressive photon mapping in LuxRender
Acknowledgements

- Speakers
  - Guillaume, Per, Jeppe, Wenzel, Andrew, Henrik, Matthias, Michael, Ben
http://cs.au.dk/~toshiya/starpm2012
(updated course notes and slides)
Thank You!