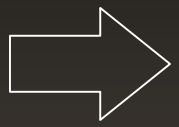
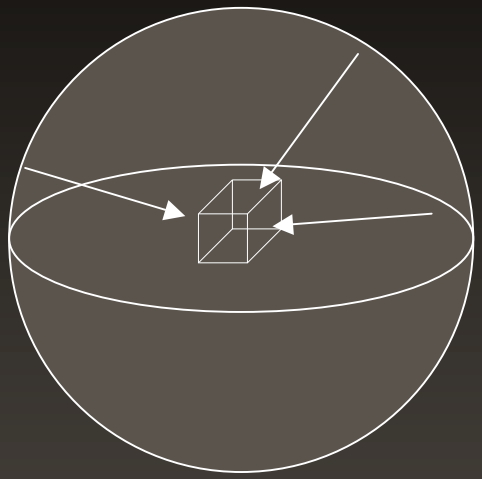
# Latest results with IBL

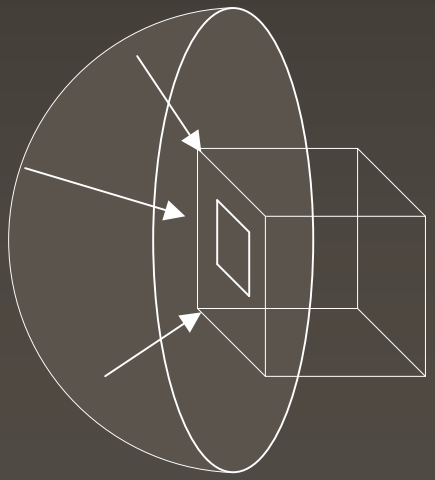
**4th Radiance Workshop - McGill University - Montreal 2005**

Santiago Torres • The University of Tokyo • Dep. of Architecture

# 1/8 - Image Based Lighting

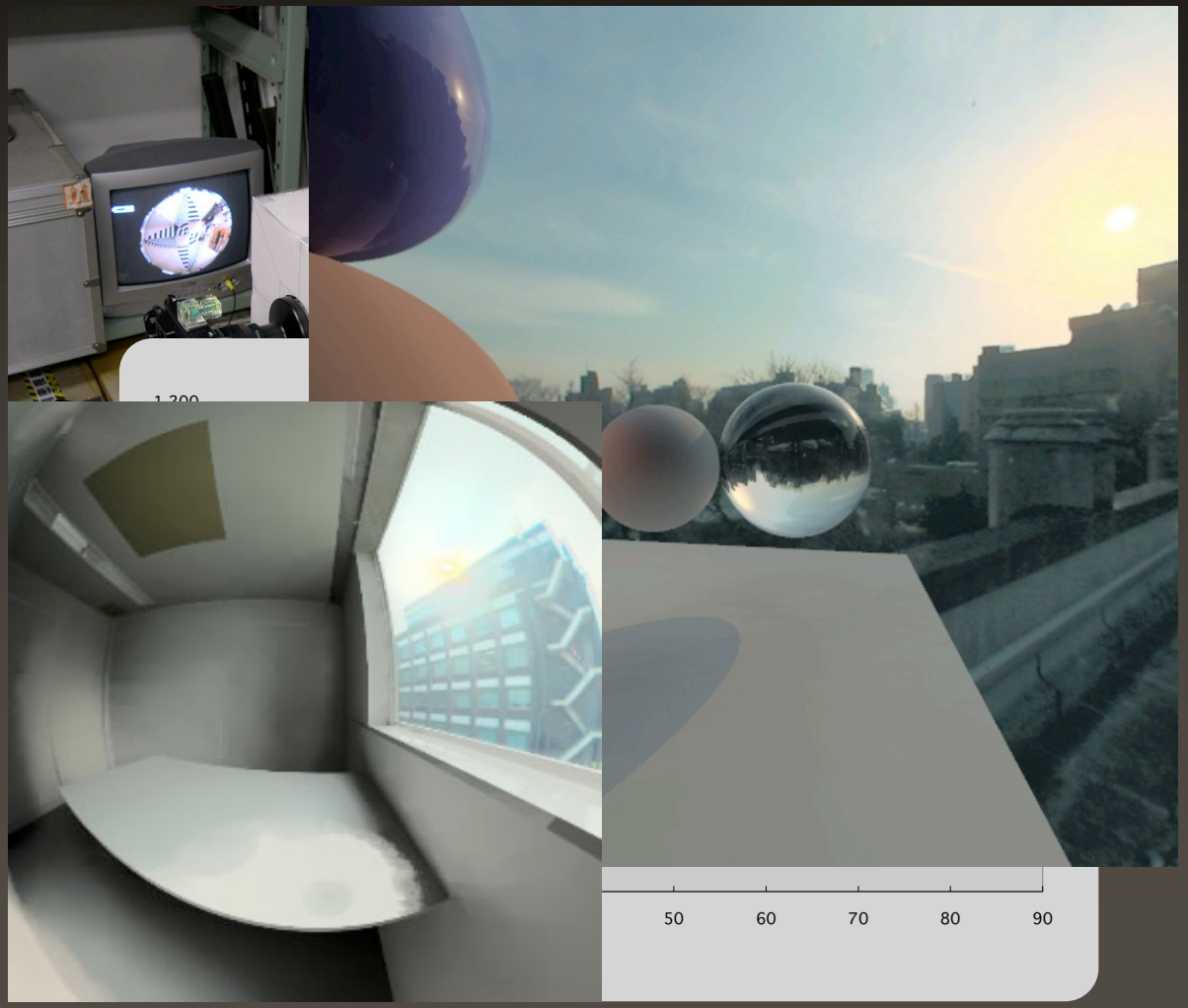




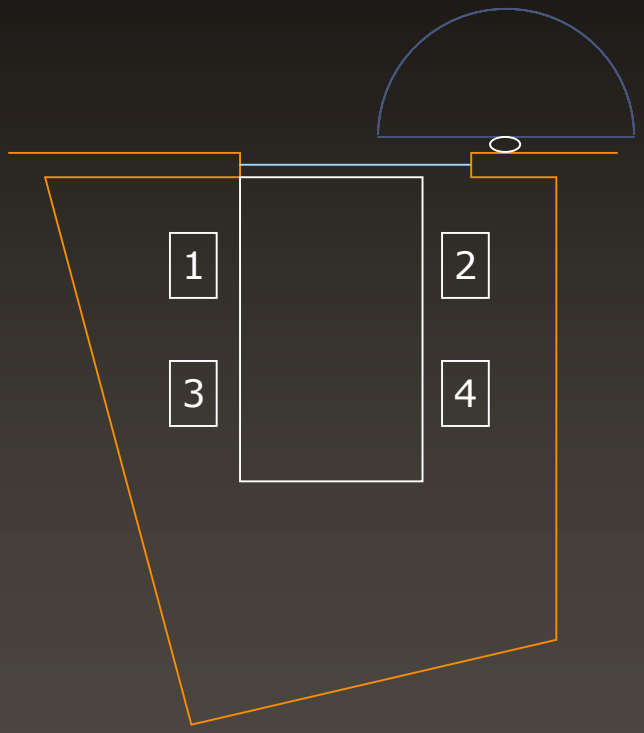


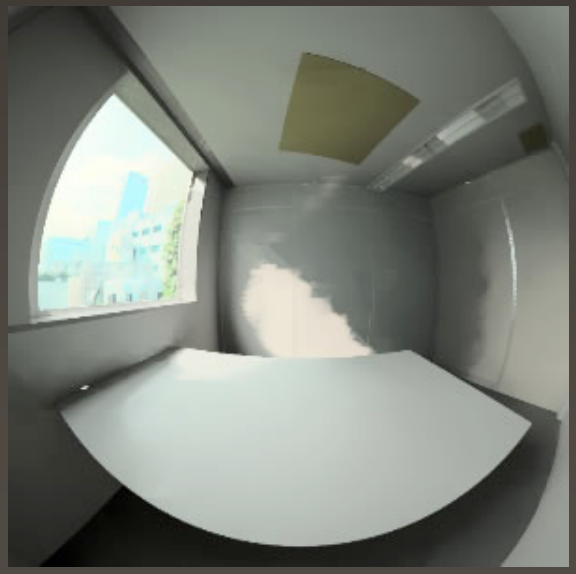
# 2/8 - a Radiance Workshop story

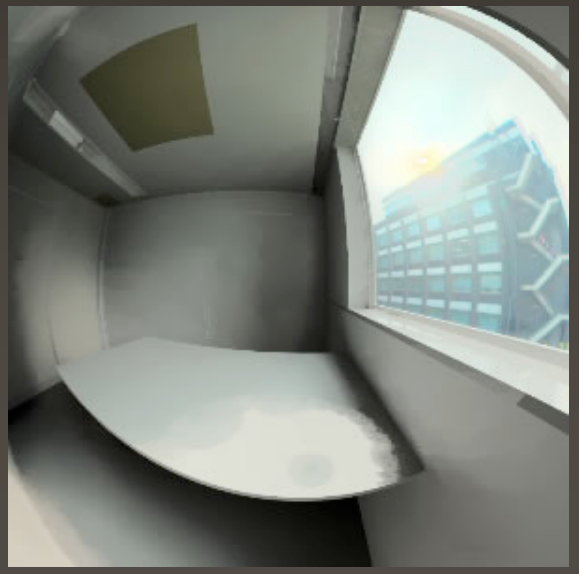
- 2002 Fribourg -
- 2003 Berkeley -
- 2004 Fribourg -
- 2005 Montreal -



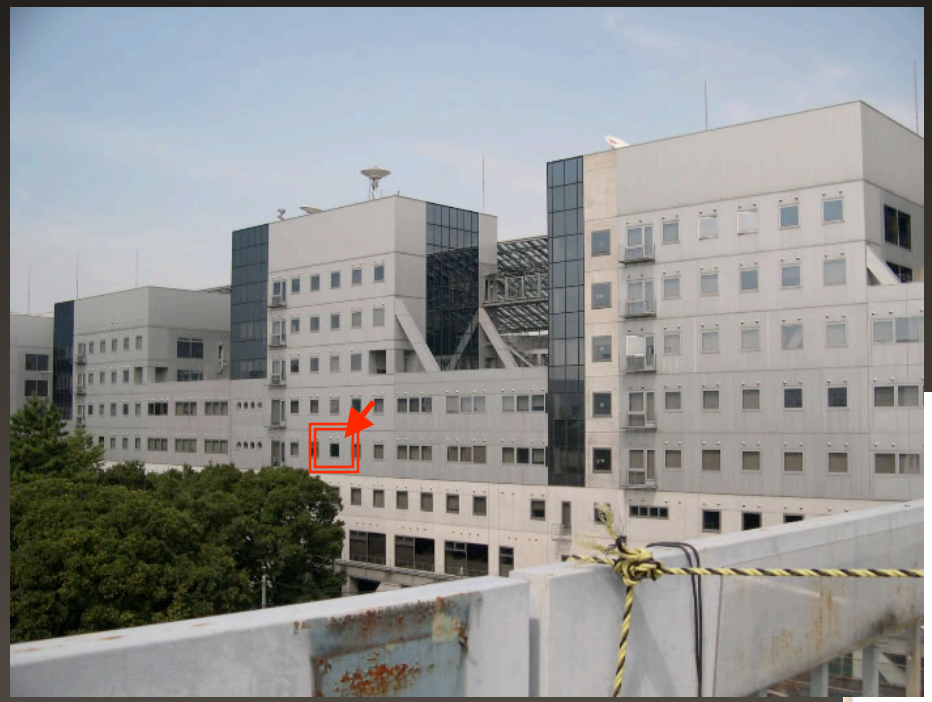
# 3/8 - Survey setup







# 4/8 - Survey setup



# 5/8 - luminance measurement error

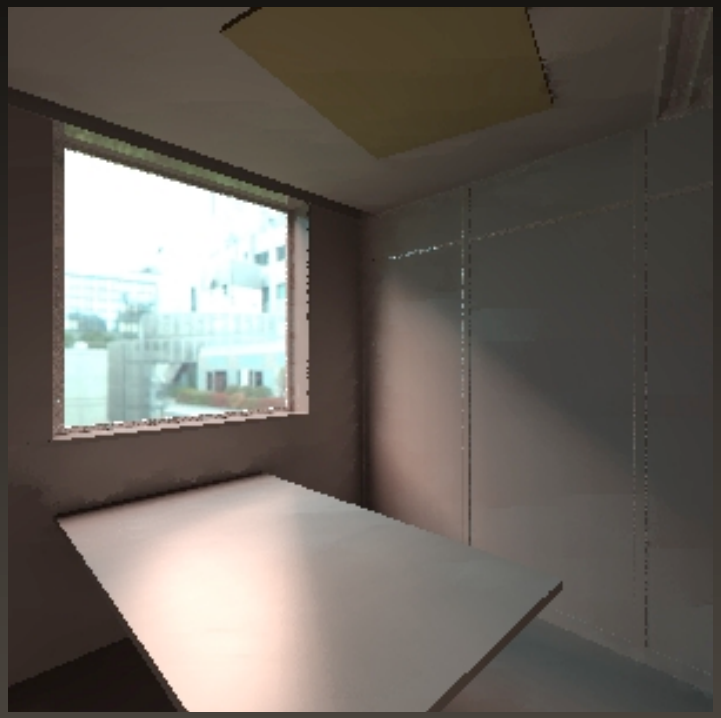
Illuminance measure

First test under over
First results with sun
After adjustments (1

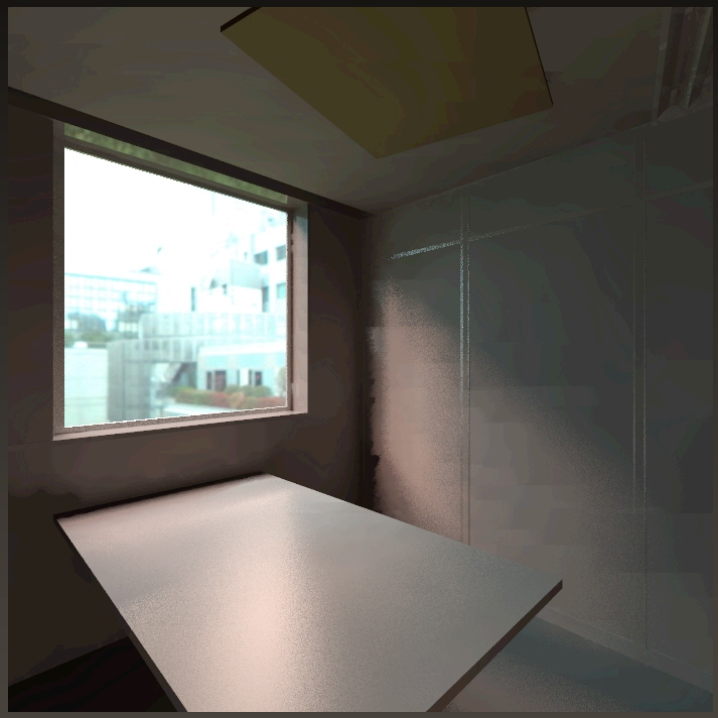
Points for improveme

- luminance resp
- lens flare
- RAW data vs. J

# 6/8 - mksource



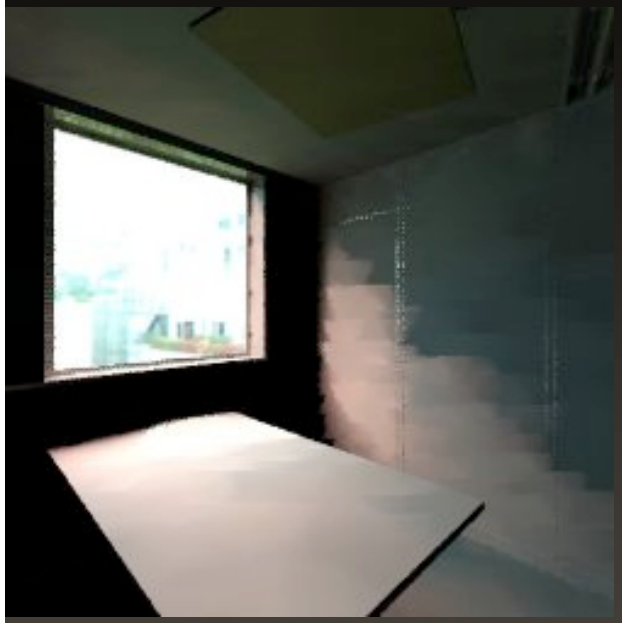
Max. ang 2 | -dj .6 -ps 1

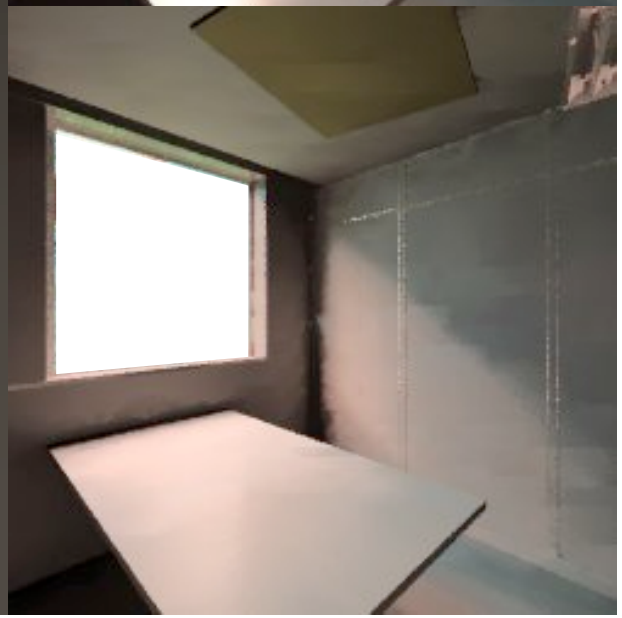


Def. | -dj .6 -ps 1 | pfilt /3

- sky.rad files can be saved for later use
- looking into the source gives the correct image
- shorter rendering times (even shorter w/direct cache)

# 7/8 - Experience setup





- no sources: 0.028 hours
- mksource default (10 sources): 0.092 hours
- mksource -a 1 - 580 sources: 4.242 hours
- Idem - w/ direct cache: 0h 48m 56s

# 8/8 - Applications (conclusion)

Glare Indexes

J-Inc

Irrad