

Fig 6.1

### Discretisation Artifacts

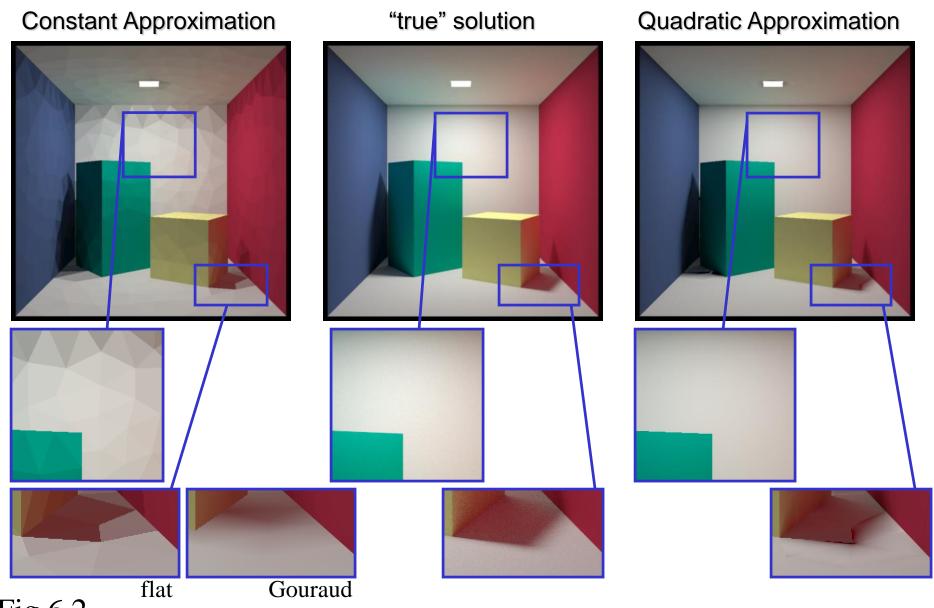
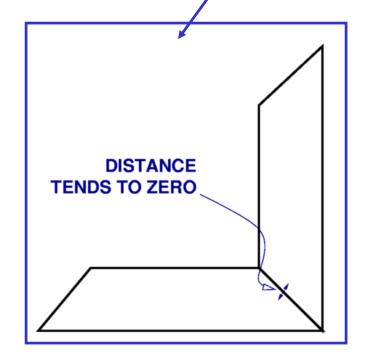


Fig 6.2

$$F_{ij} = \frac{1}{A_i} \int_{S_i} \int_{S_j} G(x, y) \, dA_y dA_x$$

$$G(x,y) = \frac{\cos \theta_x \cos \theta_y}{\pi r_{xy}^2} \text{vis}(x,y).$$

# Form Factor Singularities and Discontinuities



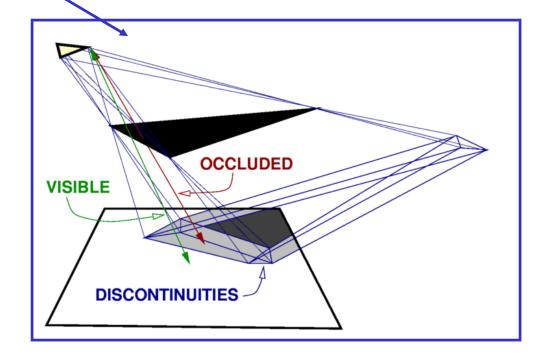


Fig 6.3

### Form Factor Sampling

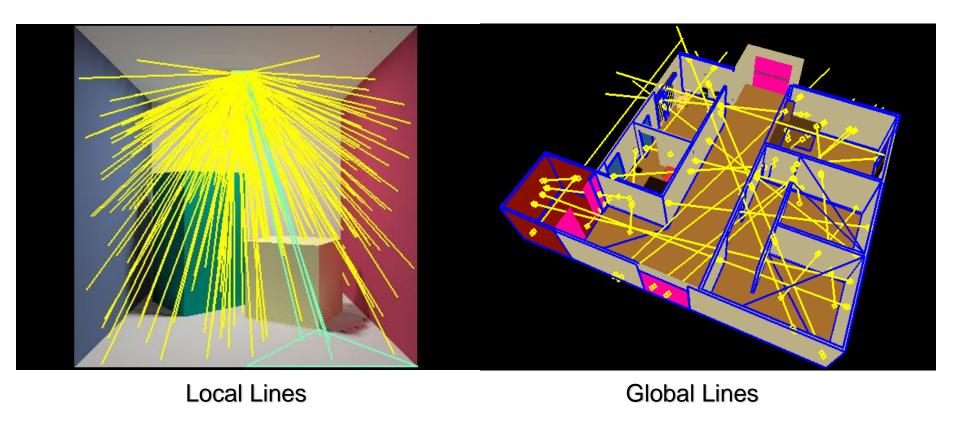


Fig 6.4

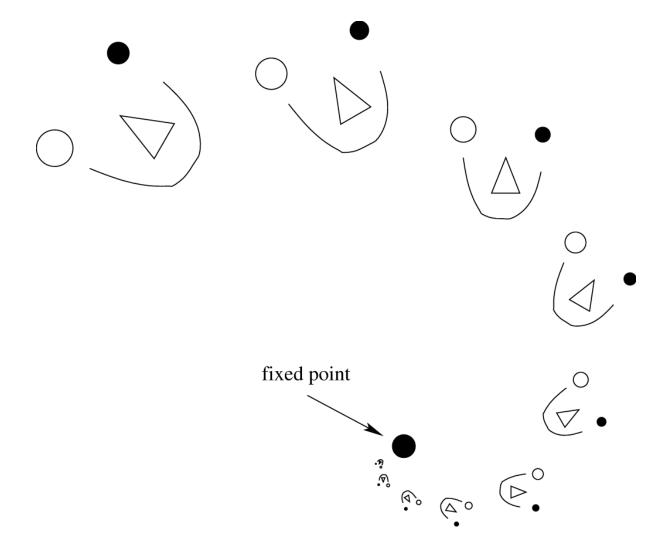


Fig 6.5

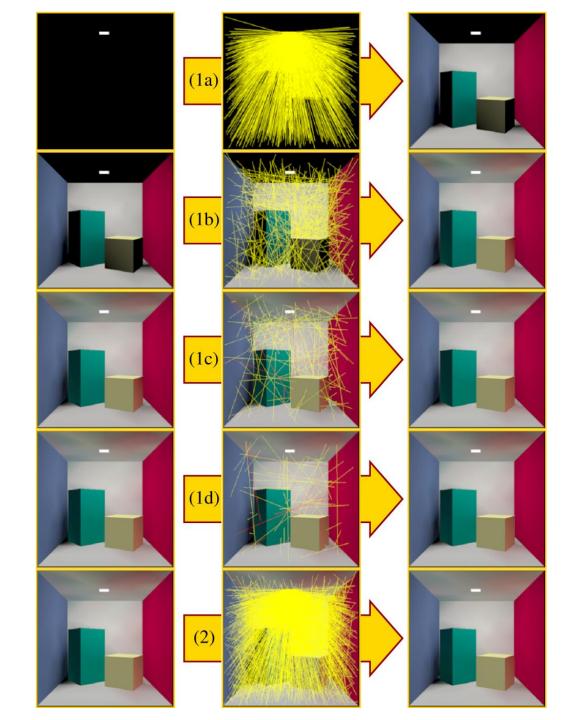


Fig 6.6







1 iteration 4 iterations 16 iterations





64 iterations

252 iterations

Fig 6.7

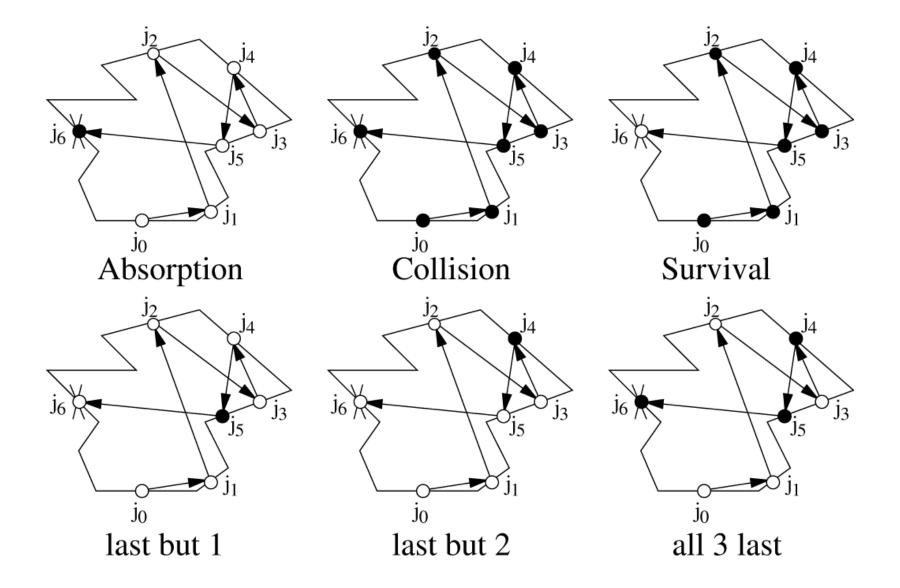
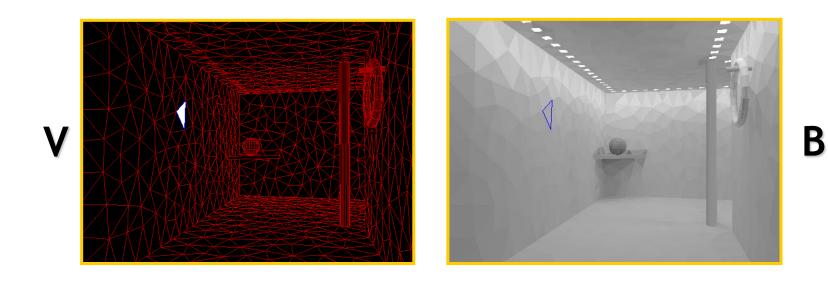


Fig 6.8



< V, B > = < I, E >

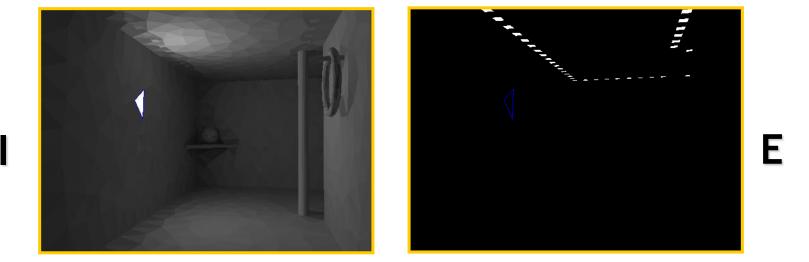


Fig 6.9

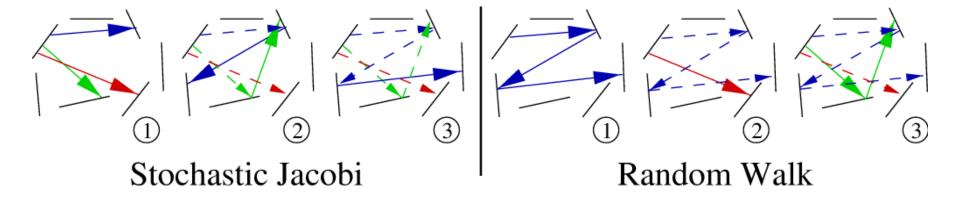


Fig 6.10

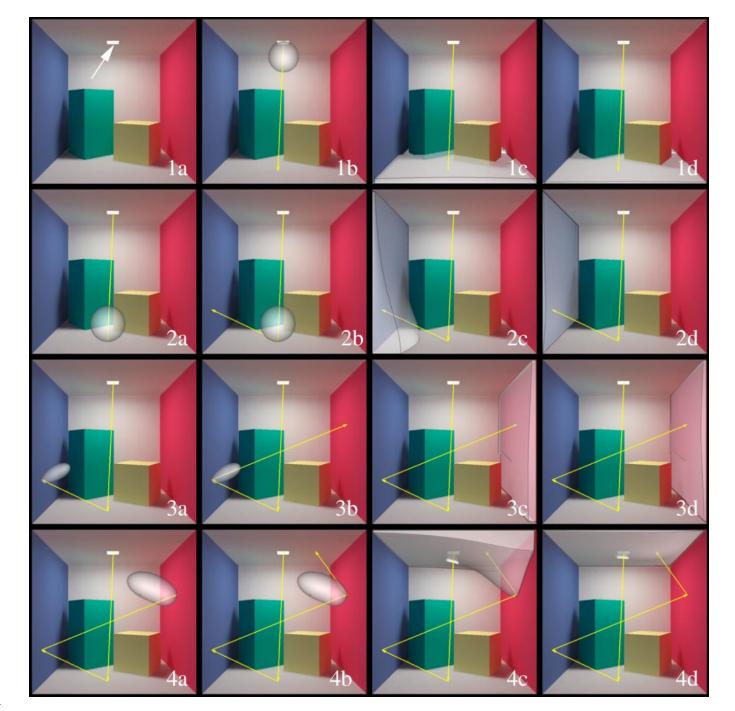


Fig 6.11

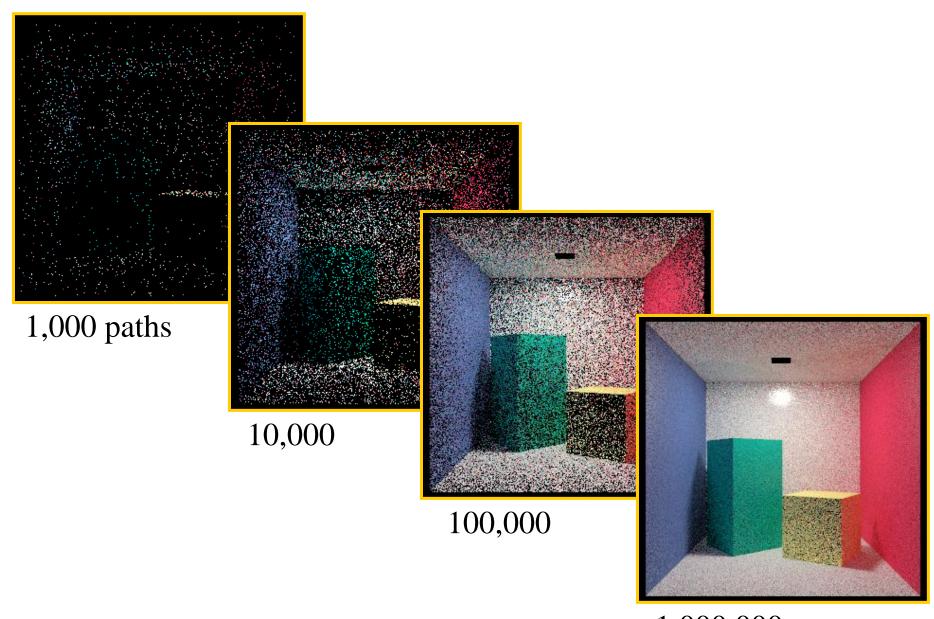


Fig 6.12 1,000,000

### Histogram method

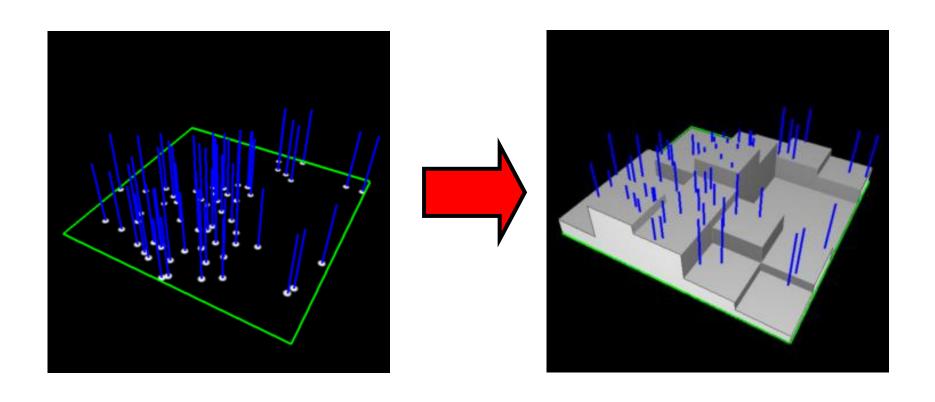
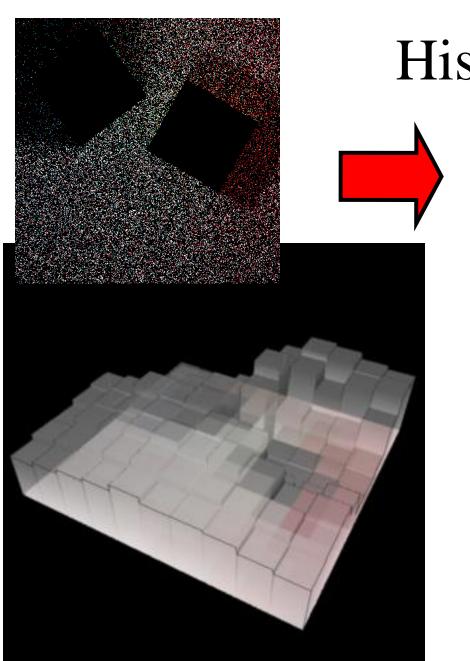
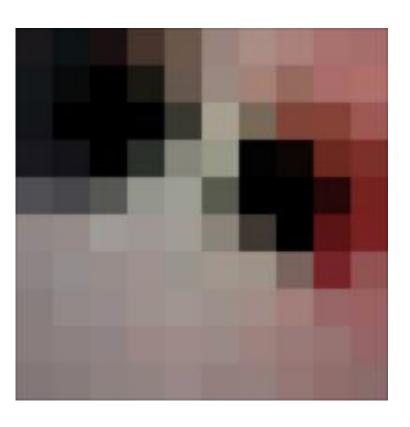


Fig 6.13a



# Histogram method



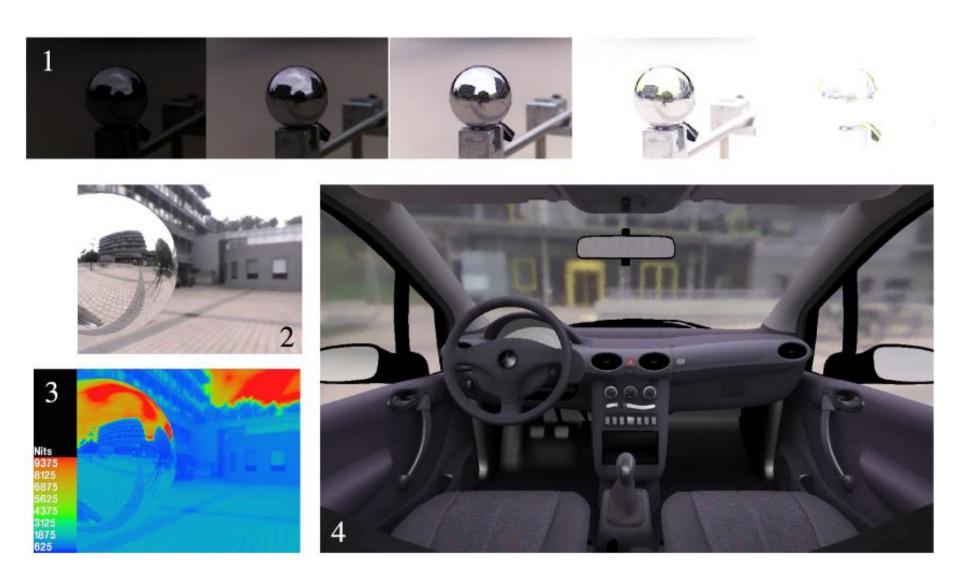


Fig 6.14 © Ph. Bekaert









Fig 6.15 © F. Drago et al

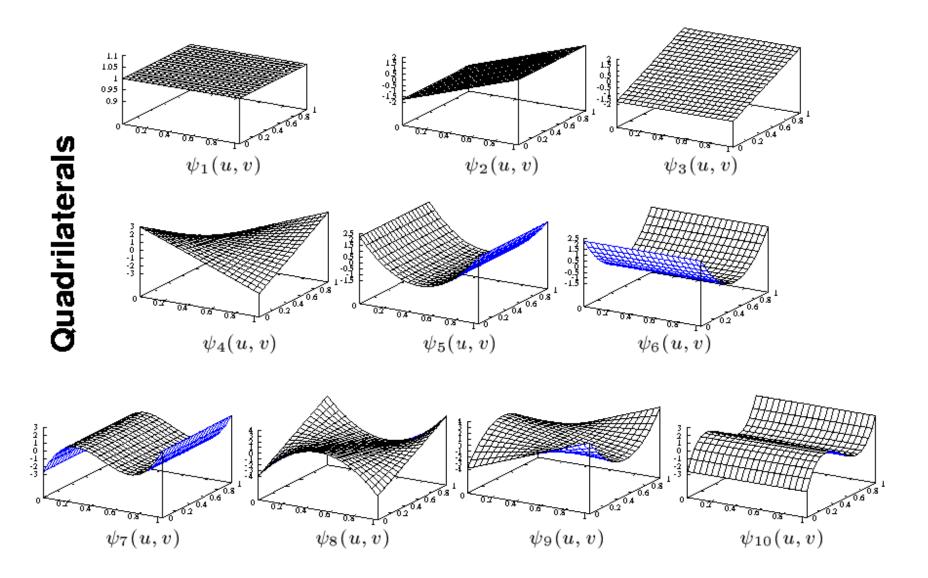


Fig 6.16a

## Orthogonal Series



linear



Fig 6.17

### Kernel density estimation

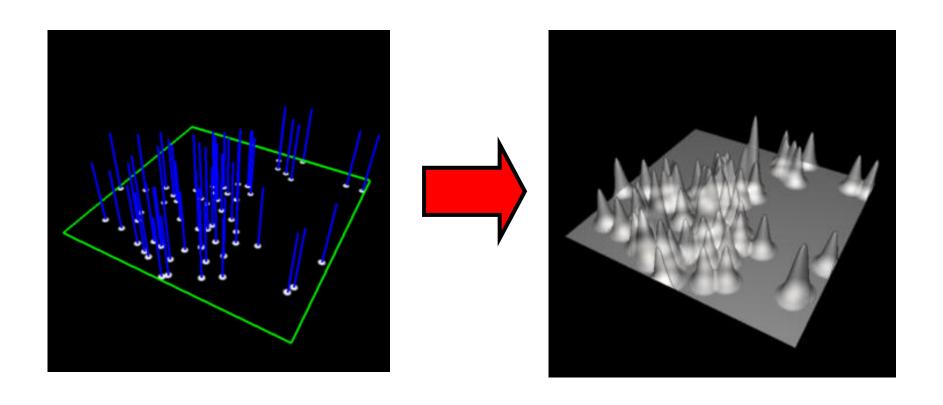
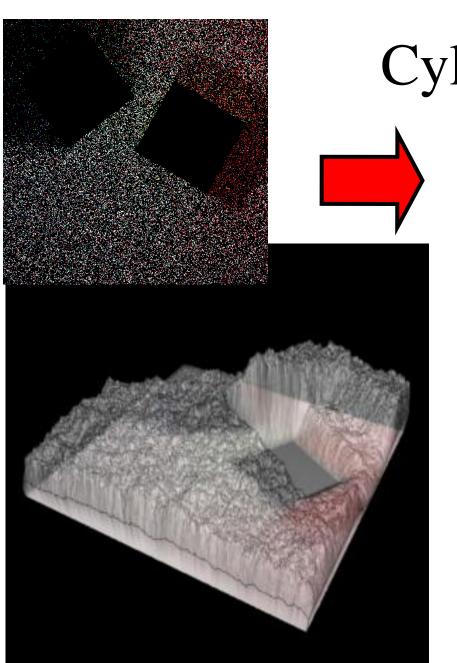
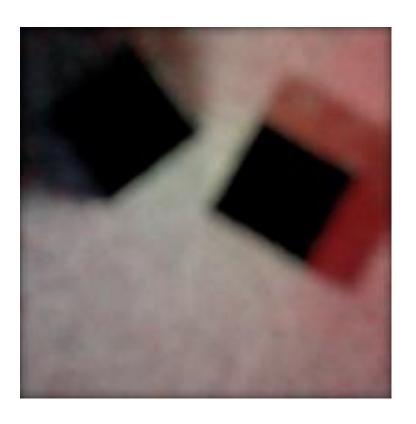
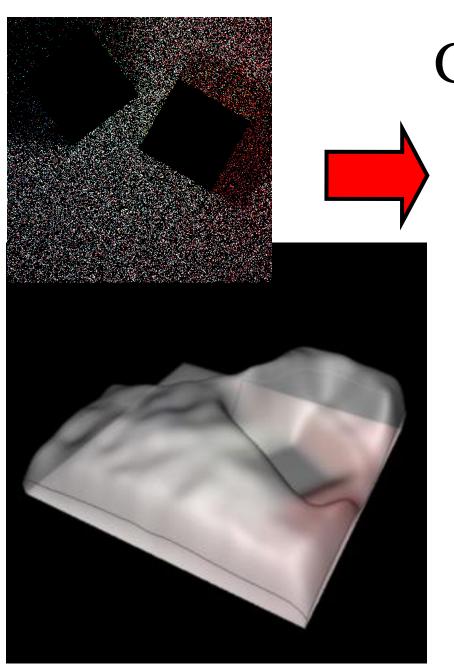


Fig 6.18a

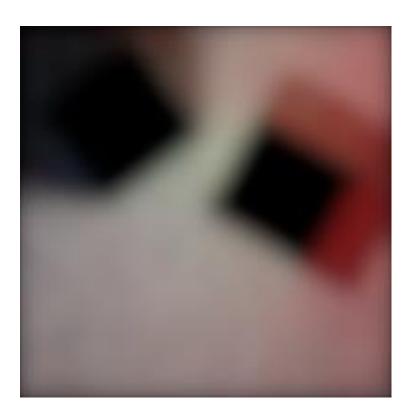


# Cylindrical kernel





### Gaussian kernel







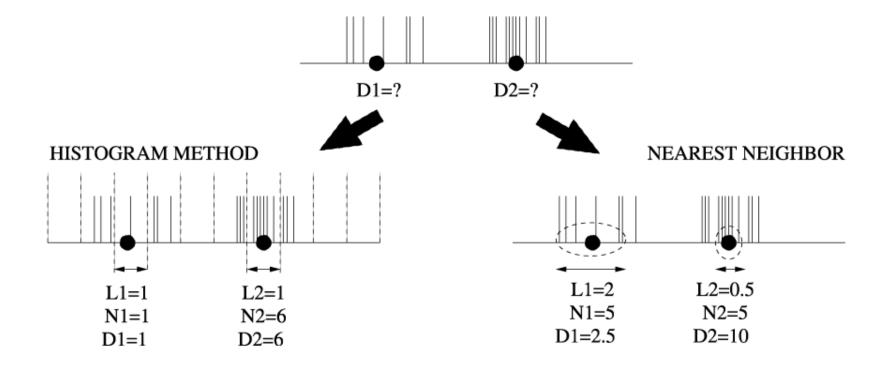
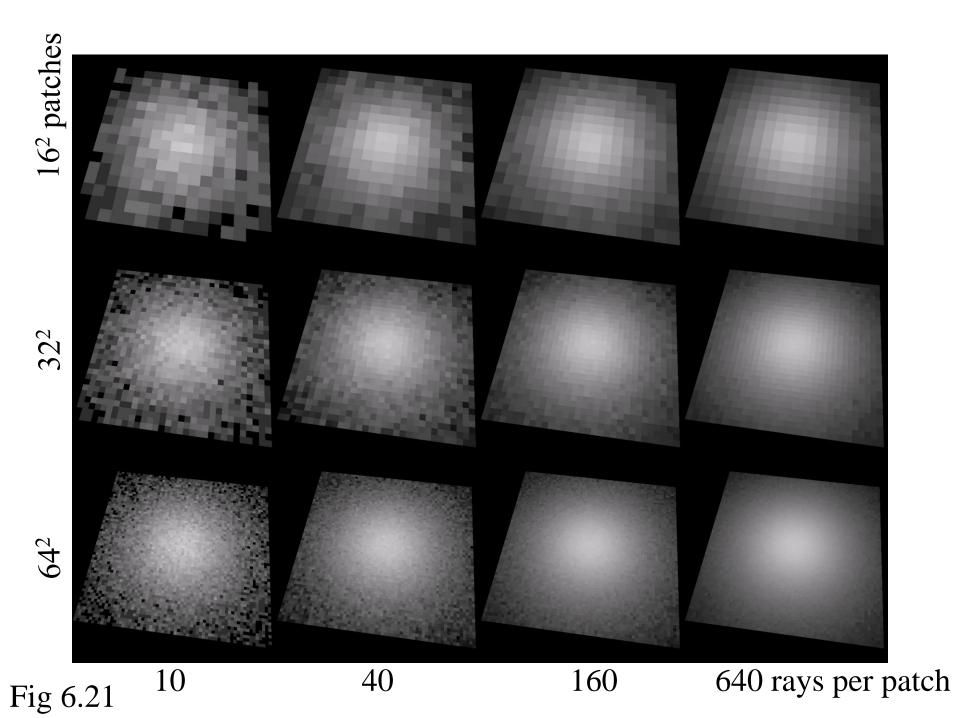


Fig 6.20



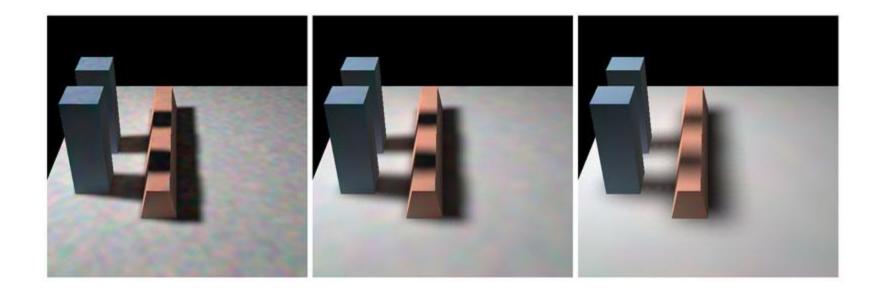
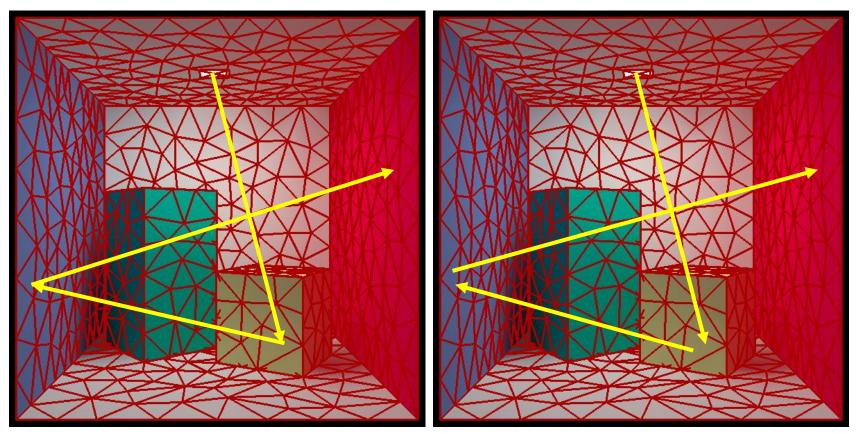


Fig 6.22



Continuous Random Walk

Discrete Random Walk

Fig 6.23



Fig 6.24 © Ph. Bekaert et al

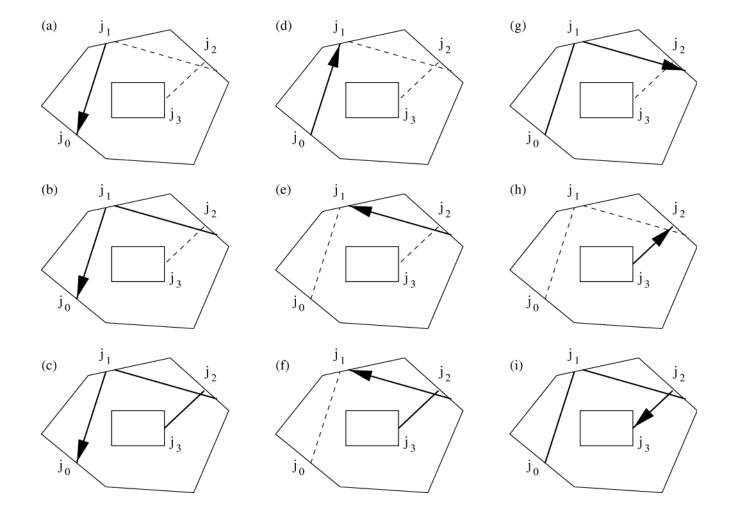


Fig 6.25





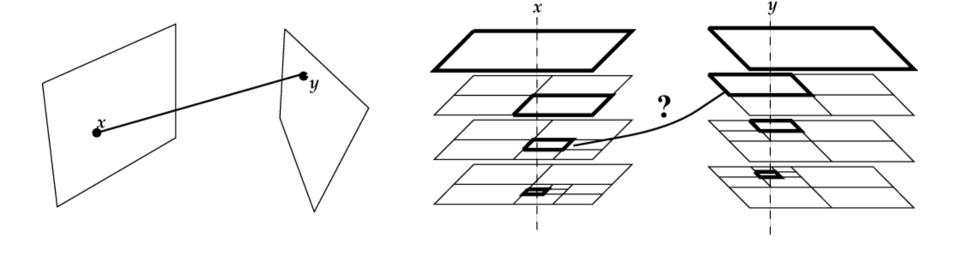


Fig 6.27









Fig 6.28

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