













Julesz ensembles

Given a set of statistics per pixel, $h = (h^{(i)}: i = 1, 2, ..., k)$ for images on a finite lattice Λ , we define an equivalence class $\Omega_{\Lambda}(H) = \{I: h(I) \in H\}$

H is an open set centered at *h*.

A Julesz ensemble $\Omega(h)$ is the limit of $\Omega_{\Lambda}(H)$ as $\Lambda \rightarrow Z^2$ under some boundary conditions.

UCLA Psychology, 2003.

Song-Chun Zhu























































Parameters Used	
Image Size	300*200
Sketchable Pixels	18,185 ~ 25%
Primitive Number	230
Primitive Width	7
Primitive Parameters	2,350 ~ 3.5%
MRF Parameters	5*7*13=455
Total Parameters	2,805 ~ 4.7%























































