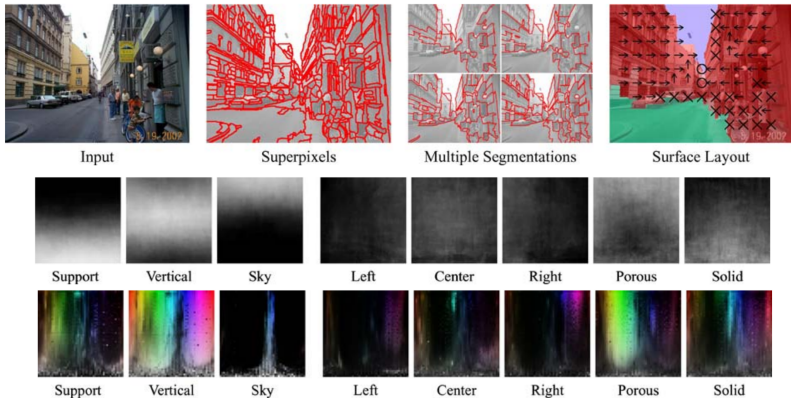


Recovering Surface Layout from an Image

D. Hoiem, A. A. Efros, and M. Hebert (IJCV 2007)



- ▶ Constructing the surface layout via a labelling of the image into geometric classes
 - ▶ main classes (support, vertical, sky) and subclasses of vertical (left, center, right, porous, solid)
- ▶ Appearance-based models for each class through multiple segmentations
 - ▶ A wide variety of image cues including position, color, texture, and perspective
 - ▶ Multiple segmentations for the spatial support, useful especially for subclasses
- ▶ Applicable to a wide variety of outdoor scenes and generalizable to indoor scenes