Current State - of - the-ort

Exhaustive search. : cheap Features.

. Few, precise locations.

Related Work

Localization Exhaustive Search Sclectine Search coarse locations

Object Delineation ---- Doject Recognition

Preview Locations 16 -100

Proposed work solective search over proposed regions

. More expossive features

Contributions

Many, approximate locations

Use segmentation to select best locations for recognition.

. Accounting for scene conditions through imperiant color spaces results in high recall.

Selective Search enables use of expensive features LIKE BOW.

. high record · factor to compute . coarse locations are sufficient

Approach use many scales ,

multiple invariant Color spaces.

.. Over segmentation 2. Greetily group together

similar adjacent regions, until the

entire image is in the same region.

3. Resulting heirarchy of regions contains nich information that

can be used to generate proposal regions

Intuition Dif we miss a location we can nover direct the object

@ appearance and her context are most effective for recognition

Exhaustive Search ~ stiding window (coarse grid, fixed aspect ratios ...)

Color Spaces Standard RUB 5 = S Size + S FORTURE Hormalized RGB

most invariant

1-15V