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Closed boundary

Edges are usually open
Segmentation provides closed boundaries

Local or global

Edges are computed in the locality
Segmentation is global

Increasing feature vector dimensionality

Does not drastically improve edge detection
Improves segmentation (motion, texture information etc.)

Boundary position

Localized in edge detection
Usually not localized (recent advancements use locality as well)
Especially contour based segmentation

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