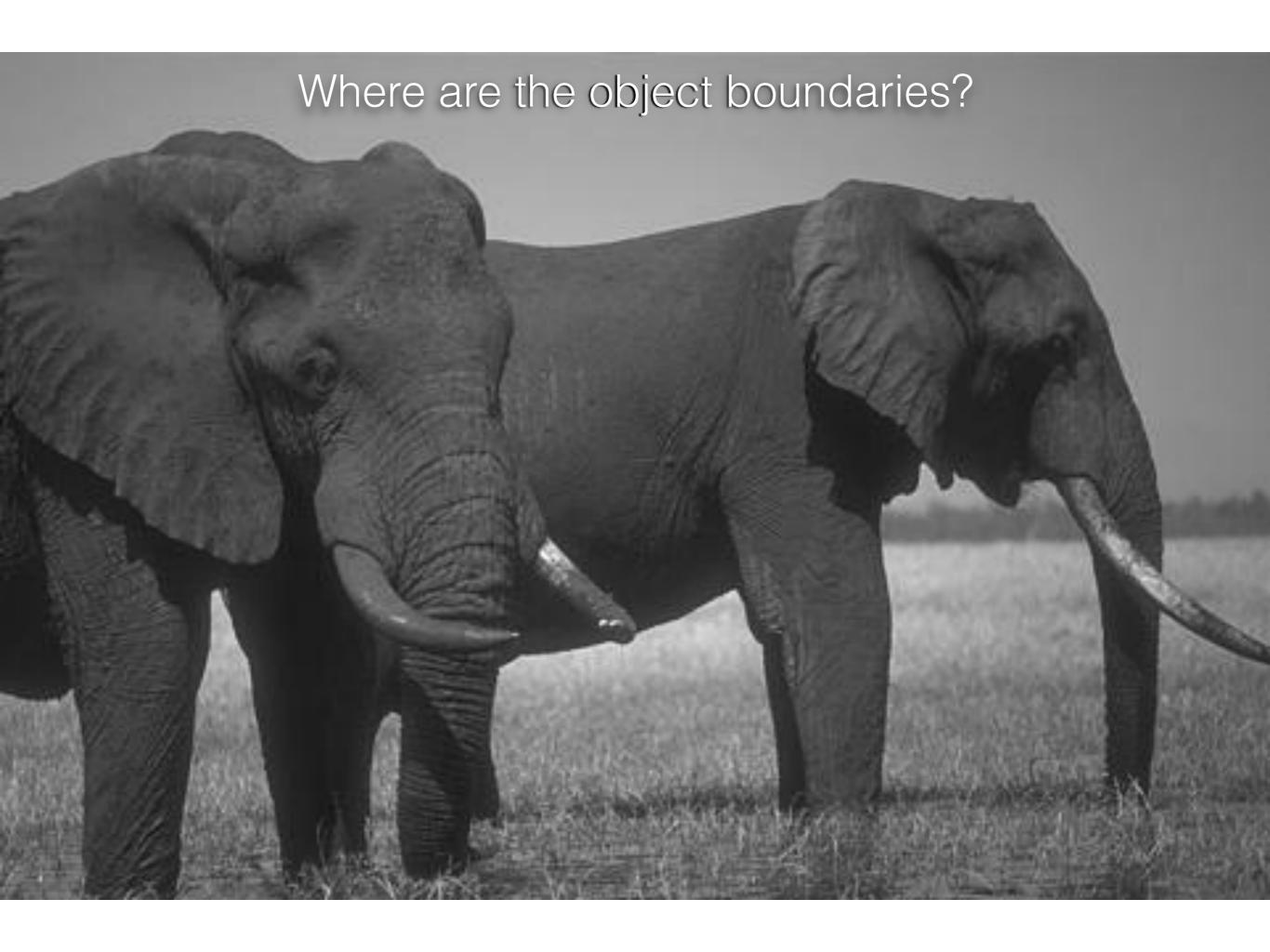
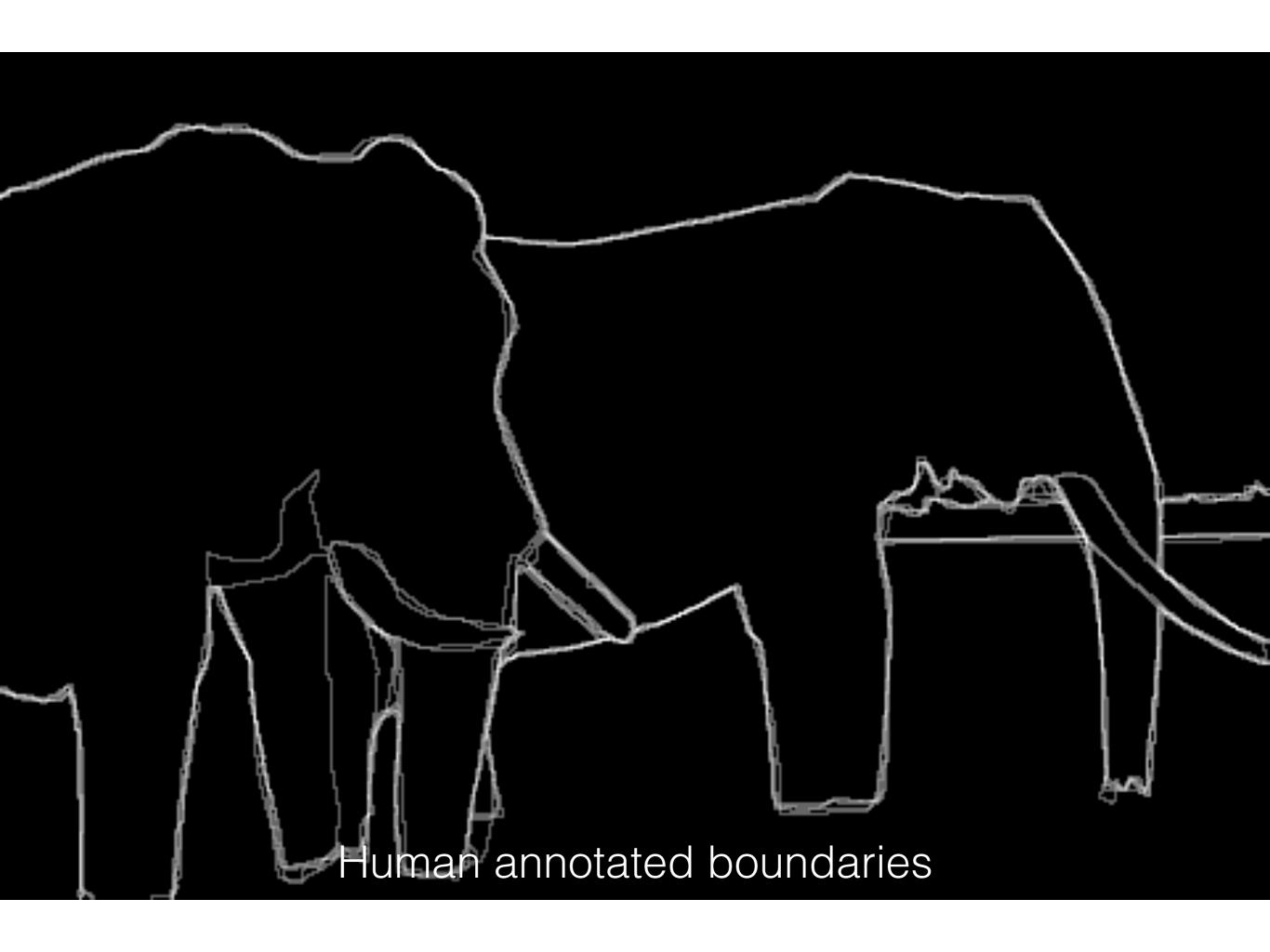


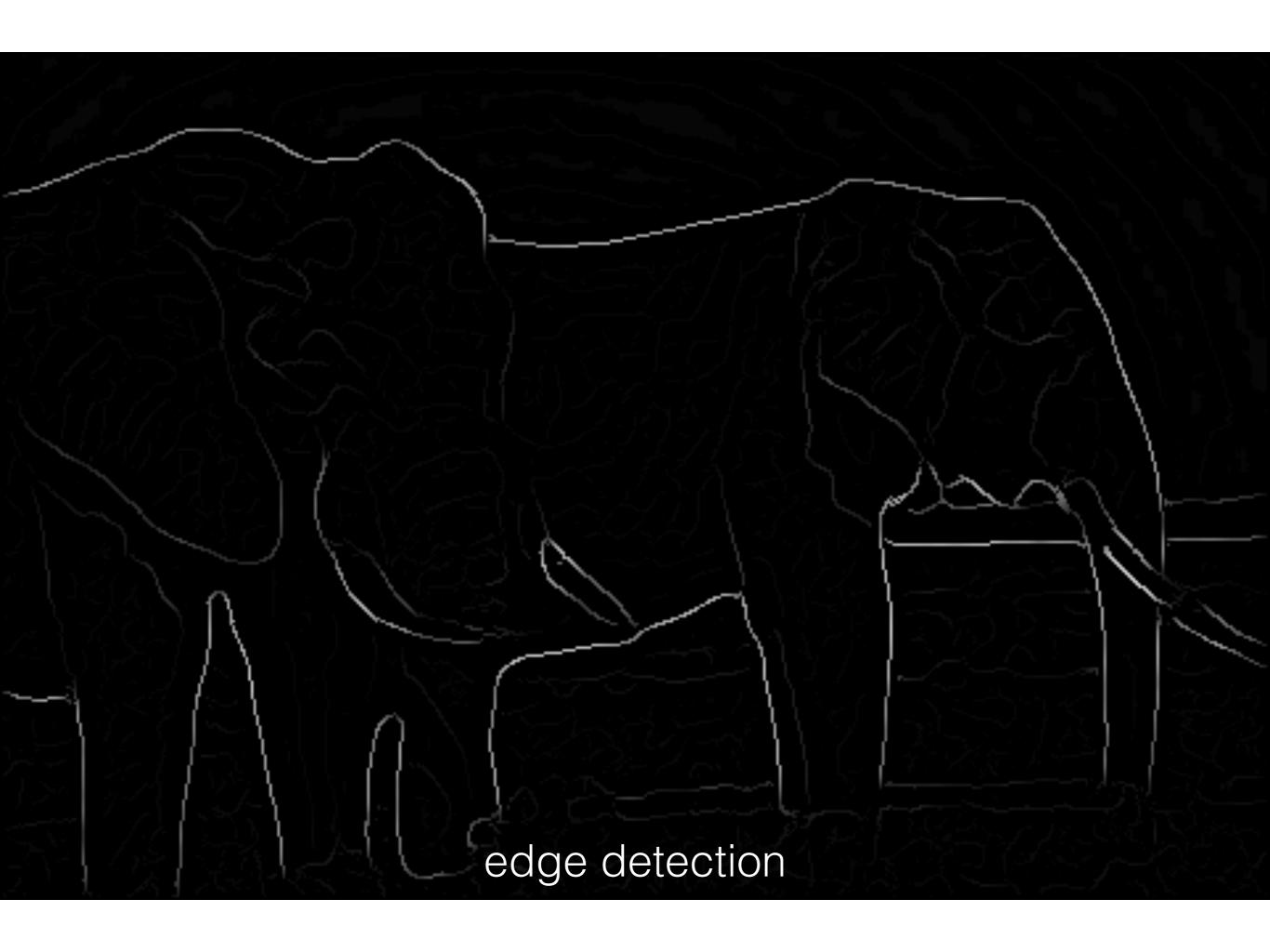
## Defining boundaries

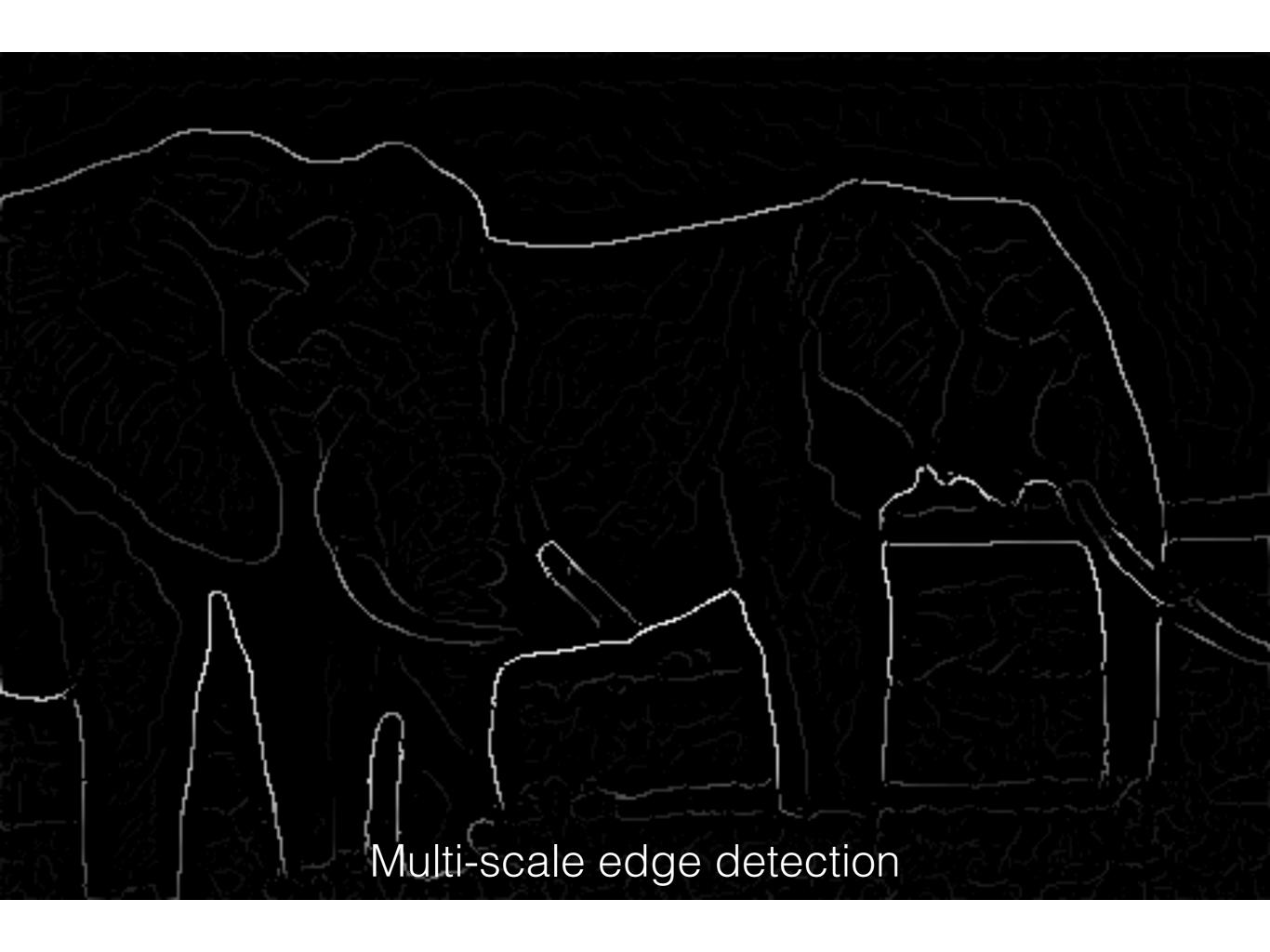
Computer Vision

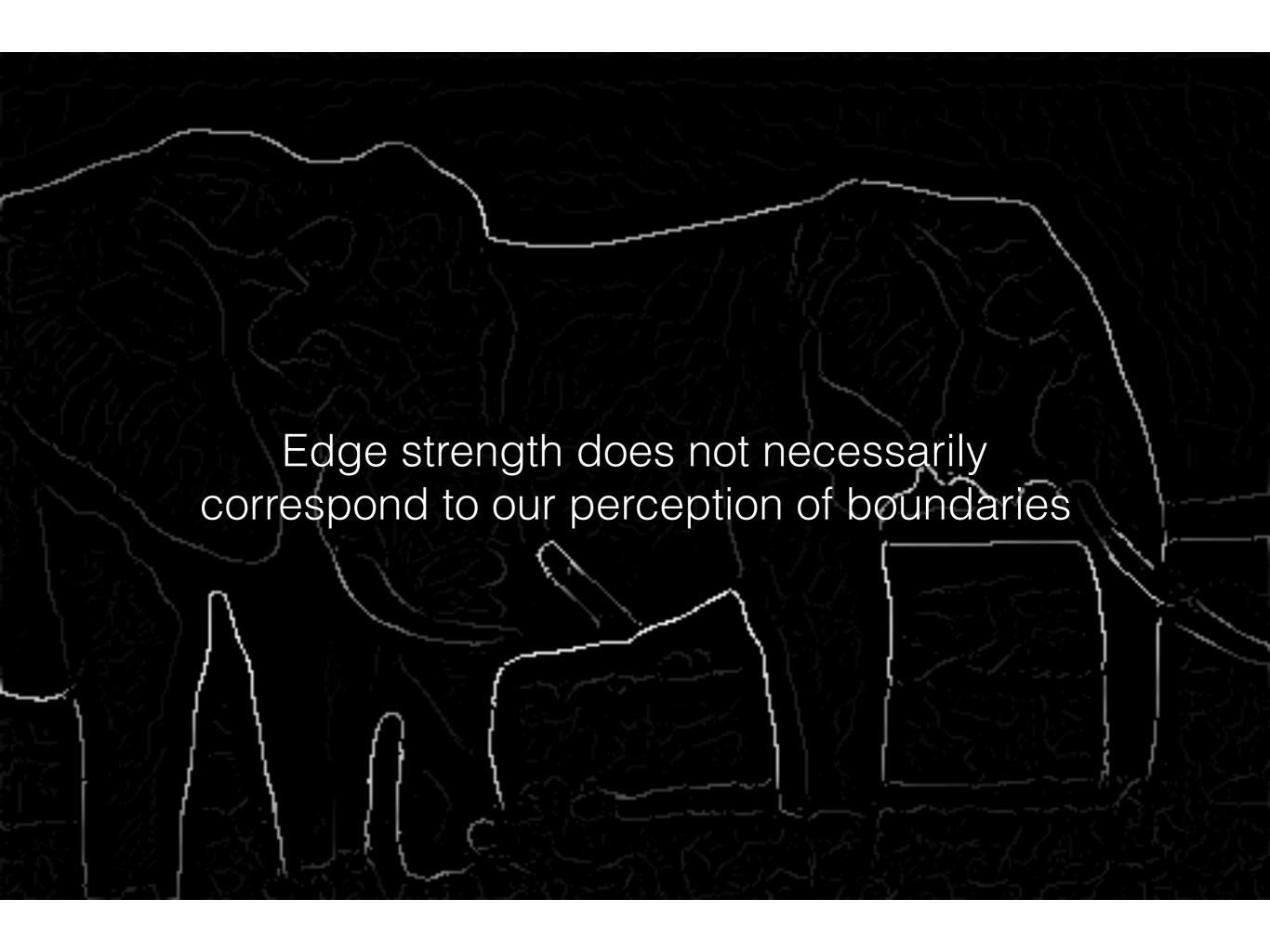
Carnegie Mellon University (Kris Kitani)



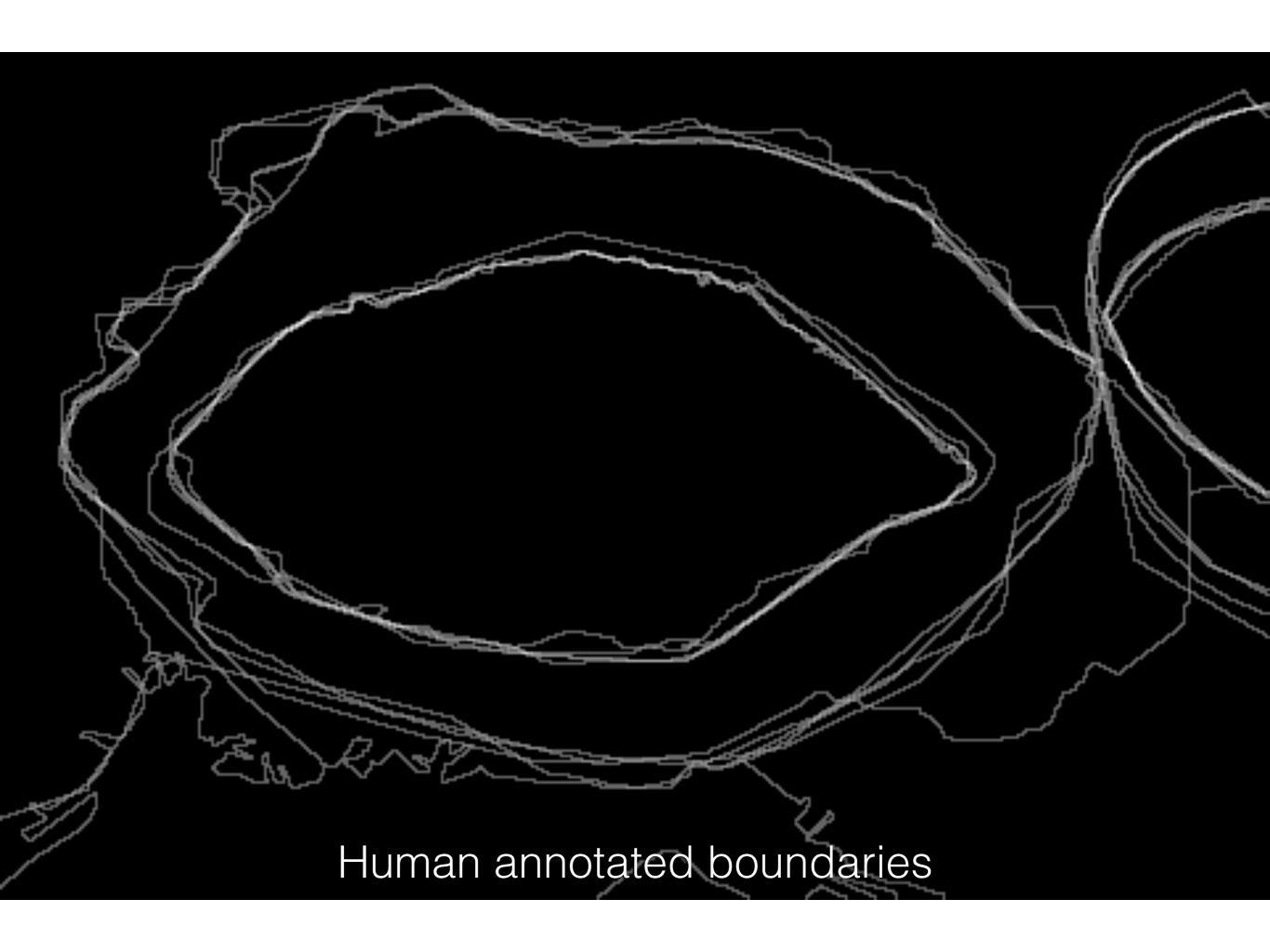


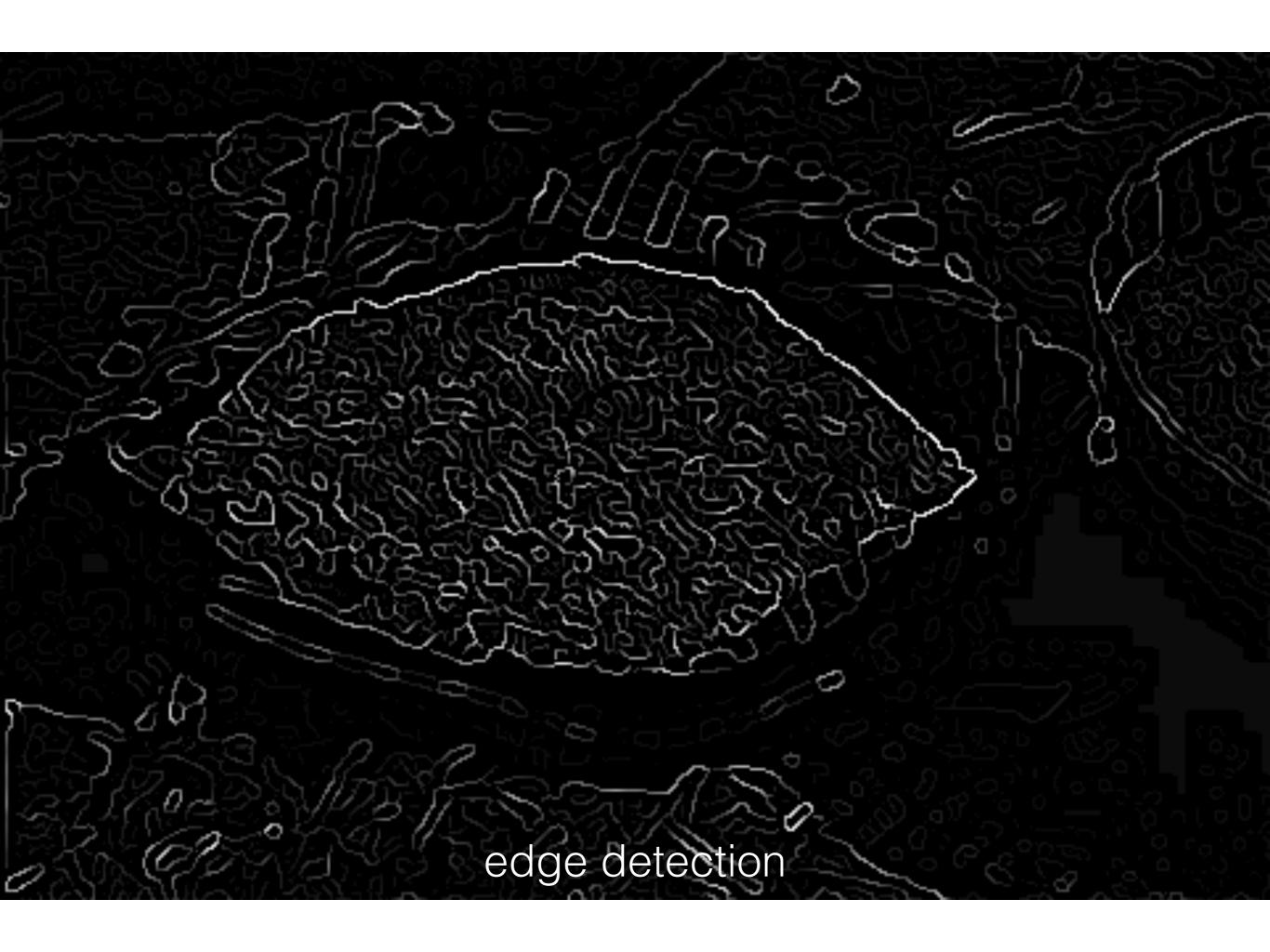


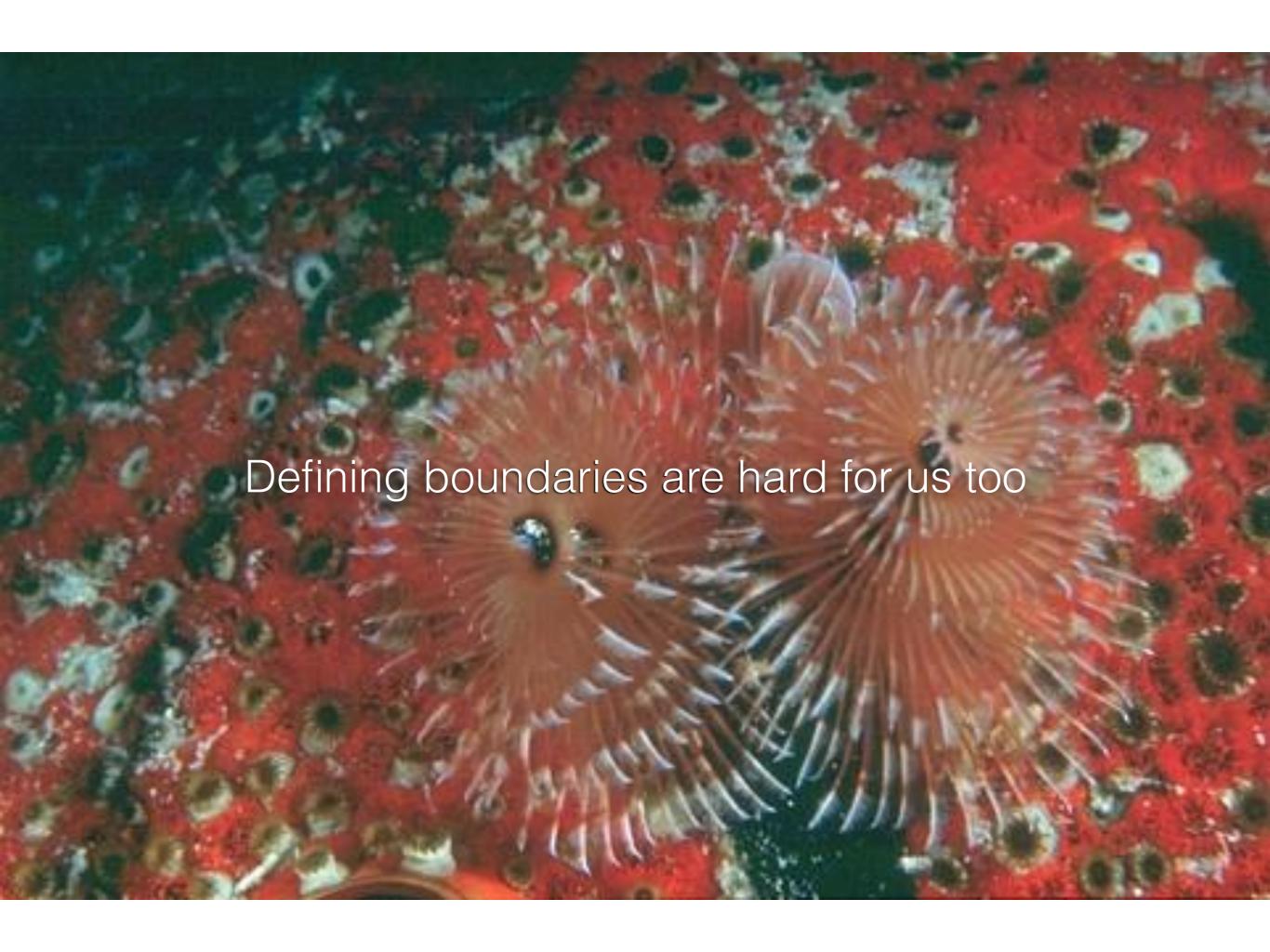








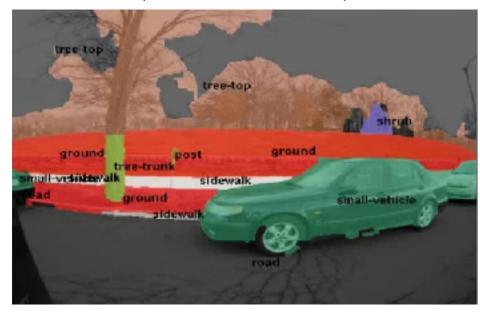




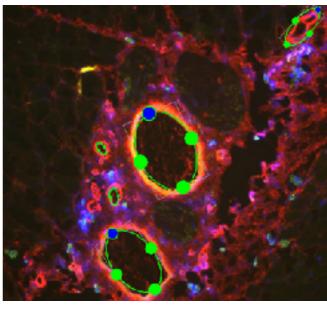
## Applications



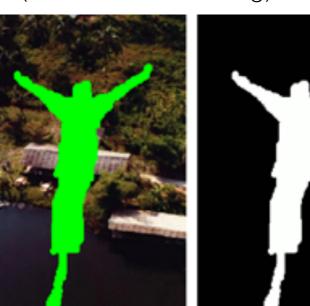
Autonomous Vehicles (lane line detection)



Autonomous Vehicles (semantic scene segmentation)



tissue engineering (blood vessel counting)

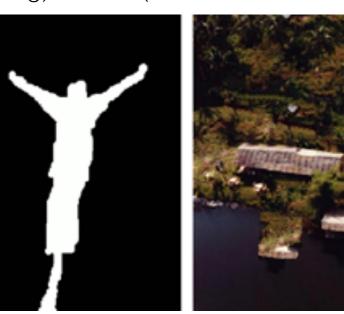


behavioral genetics (earthworm contours)

0.5 mm

Ventral

side



Worm frame

79%

Head

Computational Photography (image inpainting)