

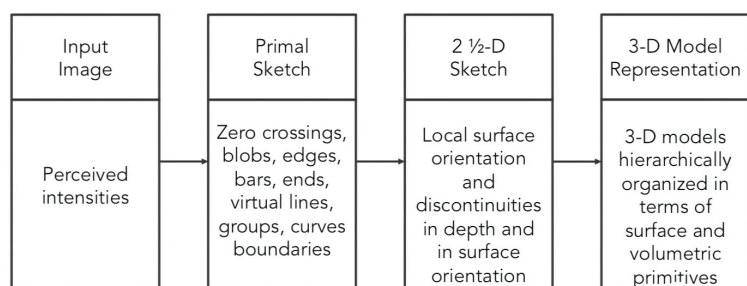
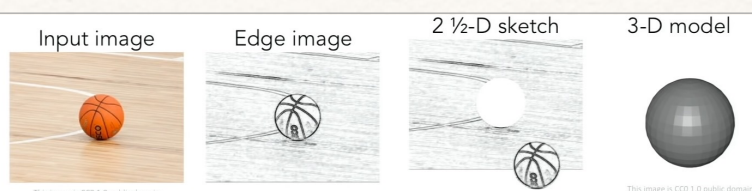
# Subject: Introduction to convolution networks:

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What is computer vision?

↳ A study of visual data.

David Marr's theory about vision:



As shown by Hubel & Wiesel

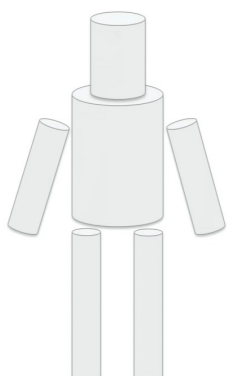
piece together surfaces, depth information

A final 3D image

Every object is composed of simple geometric primitives.

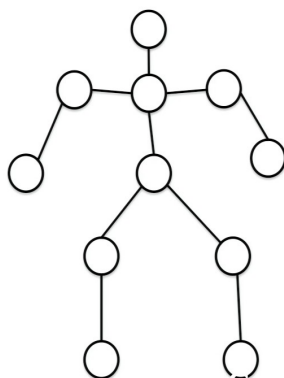
## • Generalized Cylinder

Brooks & Binford, 1979



## • Pictorial Structure

Fischler and Elschlager, 1973



• Either representation is a way to reduce complex figures using simple geometric arrangements.

Subject: / /

## Image segmentation:

- Take out meaningful pixels & group them
- feature based object/image detection