

David Marr (1945 - 1980)_

British Neuroscientist

His model of the function of the cerebellum was independently confirmed by Albus and remains the standard model of cerebellum function

His work started with broad theoretical work but he later went on to narrow his focus on discrete problems. This led to his "levels of analysis".

He died in 1980 and his book on vision was published posthumously in 1982.

Levels of Analysis

Computational

The problems that must be solved

Algorithmic

The strategy that must be used

Implementation

How its actually done

Three Stages of Vision

Primal Sketch

Basic Features

2.5D Sketch

Features are grouped

3D Sketch

Scene is completed and mapped in 3D