

PSYCO 354 Quiz 9

**Define 'natural constraint' from Marr's theory of vision.
Why is this term important to cognitive science?**

Name:

ID #:

In Marr's computational theory of vision, a natural constraint is a physical property that is almost always true of the visual world, and which can be used in a theory of vision as a property to select the correct visual interpretation from the various (incorrect) possibilities. That is, natural constraints are used to solve visual problems of underdetermination.

Natural constraints are important because they can be used to solve visual problems of underdetermination. Also, they can also be considered to represent one component – an embodied component – of a hybrid theory, because natural constraints are properties of the world, not of psychology.