Structure from Motion Problem

What is the key property of an observed moving rigid object that allows reconstruction of its 3D shape?

ANSWER:

Parts of the object that are closer to the observer move differently from the parts that are further away. When we see a set of moving points that we assume are rigidly connected, then we can estimate the relative depth and position of the points from how they move relative to each other.

©2014, School of Informatics, University of Edinburgh