

Interpretation

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Interpretation

- The process which endows a vision system with a higher level of cognition about its environment
- Most active topic of research
- But still in infancy

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Difficulties

- Variation in illumination
 - Hence avoided by backlighting
 - Shadows
 - Nonuniformities on smooth surfaces
- Occluding bodies
 - Multiple objects
- Viewing geometry
 - Some views will confuse

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Possible solution:

- 3D information obtained
 - By direct measurement
 - Geometric reasoning techniques
- Model Driven Vision
 - Discover matches between image data and 3D models of volumetric primitives or objects
 - Variation in viewing geometry can be tolerated

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