

# Must Understand Motion to Integrate Data Over Time

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All **sensors** may **suffer from occlusion**:

- an object is partially or completely
- **behind something else.**

One “**instant**” of data

- allows us to **build**
- a **partial 3D map** of the surroundings.

To combine information over time, we **must**

- identify objects and **associate** them
- **with types of movement** (mailbox: doesn't move!).

