

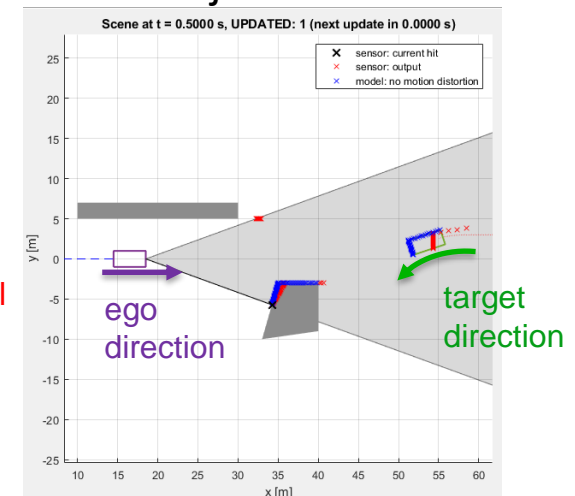
# Lidar sensor model

- Modeling sensor behavior in simulations for testing ADAS functions
- Focusing on ***motion distortion*** of scanning lidars
  - Rays sent out at different times into field of view
  - In meantime: movement of ego vehicle and dynamic objects
  - Motion distortion: Wrong shape, size, and position of objects



Wrong target size

→ should be considered in sensor model



- Goal: **Computationally efficient Python implementation** of motion distortion effect via interpolation techniques
- Expected Skills: good programming skills, experienced in Python