

College of Engineering and Computing Electrical and Computer Engineering

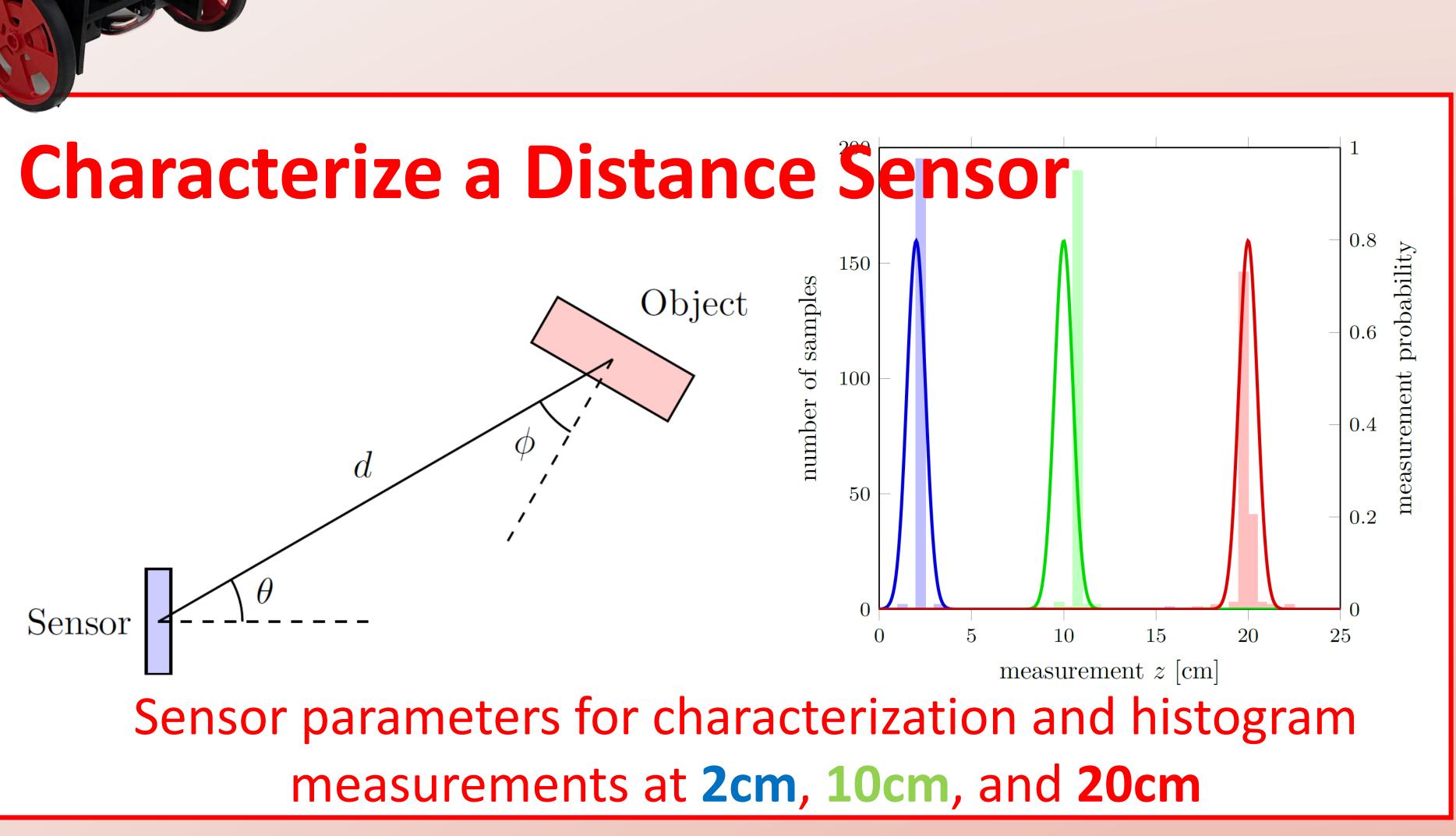
Low-Cost Distance Sensor Characterization of Ultrasonic and Infrared to Evaluate the "Reality Gap" in Robot System Simulation

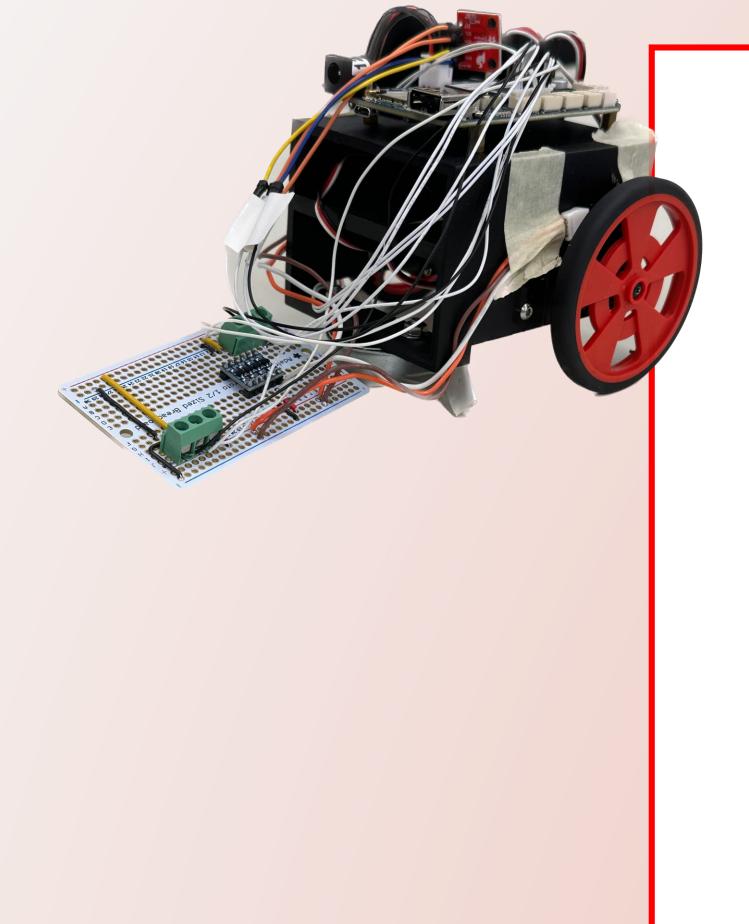
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Goal: In this work, we provide a methodology to characterize

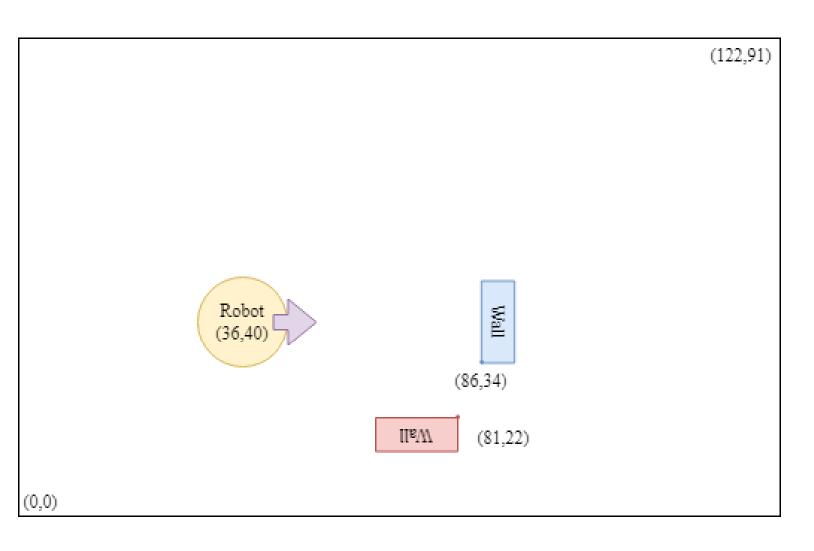


low-cost distance sensors (ultrasonic and infrared) and then program these sensors into our robot simulator. The goal of this work is to characterize the similarity between our real and simulated systems, and progress to providing a confidence value of the "reality gap" of simulation over time.





Real vs. Simulation



Experiment to compare real vs simulation

