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a the acceleration you read from the sensor, s the old speed, s' the new speed, p the old position and p' the new position, s' = s + a \* t Page 45/52 Read Online Paj7025r2 Multiple Objects Tracking pér=pr+ so \* t. You need to do the same calculation in the 3 axes (x, y, z). Assuming you know the starting position and the starting speed is zero, you can track your object in real-time.

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The probability for an object to be detected by ultrasonic sensors (namely chance of detection) at Page 47/52

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