

Script: Just the parts for my Turkey friends!

Mr.p: [Standing stage right] Good morning. Today we are going to determine the radius of curvature of a roundabout using a pendulum. Sean Vander Meulen and Stuary Arey in Istanbul, Turkey are going to show us the example. Sean, please take it away now... [Look at Sean and pause 10 seconds for transition]

Sean: [Standing stage left. Look at mr.p and pause 10 seconds for transition. Please speak clearly and at a moderate pace.] Thanks mr.p. We started by hanging a pendulum in the middle of a car. With the car at rest, the pendulum hangs straight down and creates a vertical reference line. ... [Video with 3 parts: Top view of car using drone. Speedometer. Pendulum] (We then drove the car in a circle at a constant

speed of 19 kilometers per hour. . . . With the car moving at a constant speed and describing a constant radius, the inertia of the pendulum causes it to swing out away from the vertical. . . . By overlaying the video of the pendulum with the car in motion over the vertical pendulum, we can measure the angle. . . . We can then predict, using physics, the radius through which the car is driving.) [Again, stage Left.] Now it's your turn to do the physics. Good luck. [pause 10 seconds for transition]

Mr.p: [standing stage right, 10 second pause] Thanks Sean.
Let's summarize this as a problem. Billy, please?

BBB: The physics works, the physics works, uh huh, uh hu, the physics works. {singing to Emre's song} [Play song on phone on repeat for video/audio sync. Turn down volume and sing over song.]

Turkey: [cut to Turkey. Everybody singing and dancing to Emre's song. Hopefully with Emre up singing his song.

Mr.p: [at about 35 seconds into the song] Thank you very much for learning with me today, I enjoyed learning with you. [Various outtakes from Turkey video for the remainder of Emre's song.]