Name SOLUTION

ME 274 - Fall 2024 - Quiz 6

Particle P travels in a vertical plane within a smooth, circular slot, where the radius of the slot is r = 0.5 m. At the position shown below, the speed of P is known to be v = 3 m/s. For this position:

(a) P is in contact with the outer surface of the slot.

- (b) P is in contact with the inner surface of the slot.
- (c) P is in contact with neither surface of the slot.
- (d) More information is needed to answer this question

Provide a justification for your answer.





