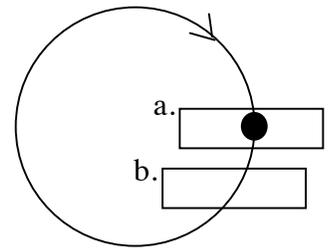


Rush Street Flyer

QUALITATIVE QUESTIONS (continued)

8. a. As the ride spins from point a. to point b., does a rider tend to slide to the inside or to the outside of the circle?



b. Is something pushing the rider in the direction you chose? If yes, what?

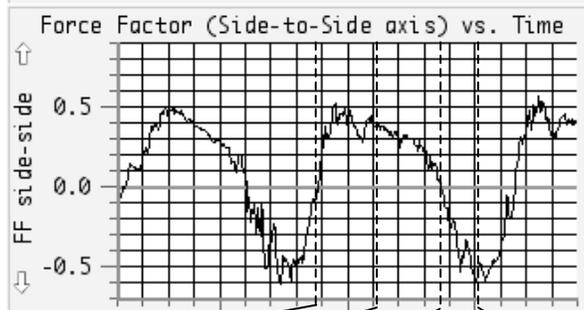
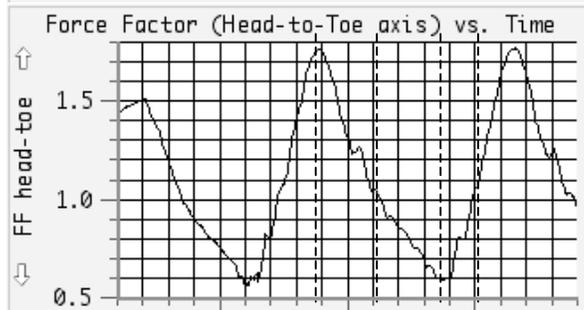
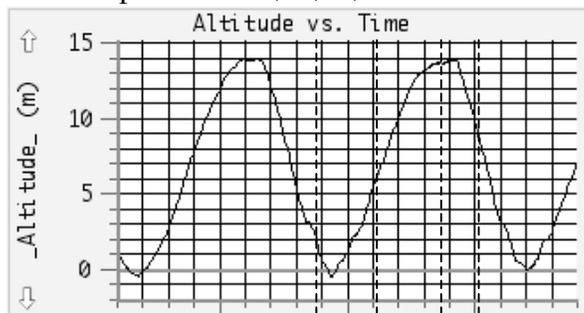
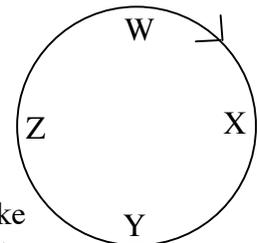
c. The rectangles in the diagram show the car at two positions, a and b. If there were no force or restraints to keep the rider from sliding from side to side, draw the path that the rider would follow from a to b.

d. What does following this path look like to the rider inside the car?

QUALITATIVE QUESTIONS

The following graphs represent an interval of time when the ride is at full speed.

9. Label positions W, X, Y, and Z in the boxes at the bottom of the graphs.



Four empty rectangular boxes are positioned below the graphs, with lines connecting them to the vertical dashed lines on the graphs.

10. Use the Force Factor graphs to make qualitative force diagrams for a rider at positions W, X, Y, and Z.

Four empty rectangular boxes are arranged in a 2x2 grid. The top-left box is labeled 'W', the top-right box is labeled 'X', the bottom-left box is labeled 'Y', and the bottom-right box is labeled 'Z'.