Introduction to Mechanics
Quiz 8

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Quiz Question

Consider riding a Ferris wheel.

(a) As you ride, your apparent weight is different at the top than at the bottom of the wheel. How can this be, since your mass remains constant?

(b) Calculate your apparent weight at the top and bottom of a Ferris wheel, given that the radius of the wheel is 7.0 m, it completes one revolution every 32 s, and your mass is 60.0 kg.