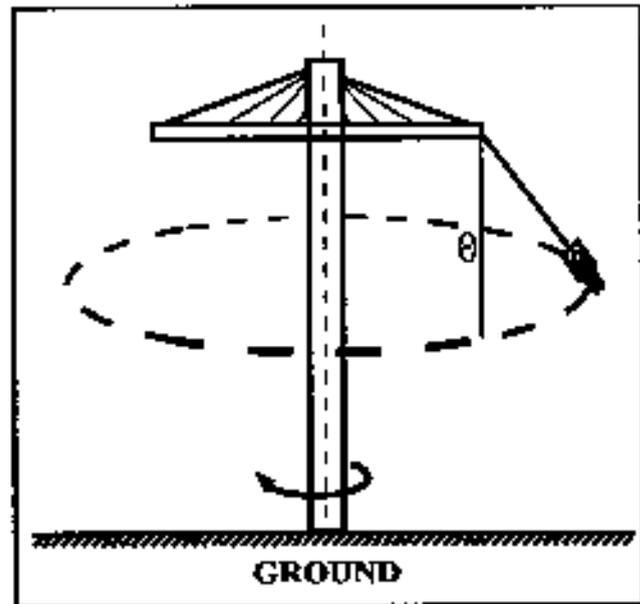


Whirling



1. Measure the radius of the ride (outer swings) at rest.
2. Measure the radius of the ride outings swings at top speed.
3. Measure the length of one chain.
4. What causes the swings to move out at the ride accelerates?
5. Draw a force diagram for a rider at rest.
6. Draw a force diagram for a rider on a swing at top speed.
7. Calculate the a_c at the largest radius.
8. Verify #5 and #6 with actual sensations as you ride the ride. Give your comparisons.