Simple Circular Motion Rides

Names:

Use the Simple Circular Motion Ride program

Tasks:

1. How does the rotational speed ω affect the force felt by the riders?

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2. How does the radius R affect the force felt by the riders?

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3. What is the greatest force you can get out of this ride? Discuss the ramifications in terms of the physiological impact of g-forces.

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4. List some rides that are at least approximately simple circular motion. Which, if any, of these rides would be "extreme"?

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