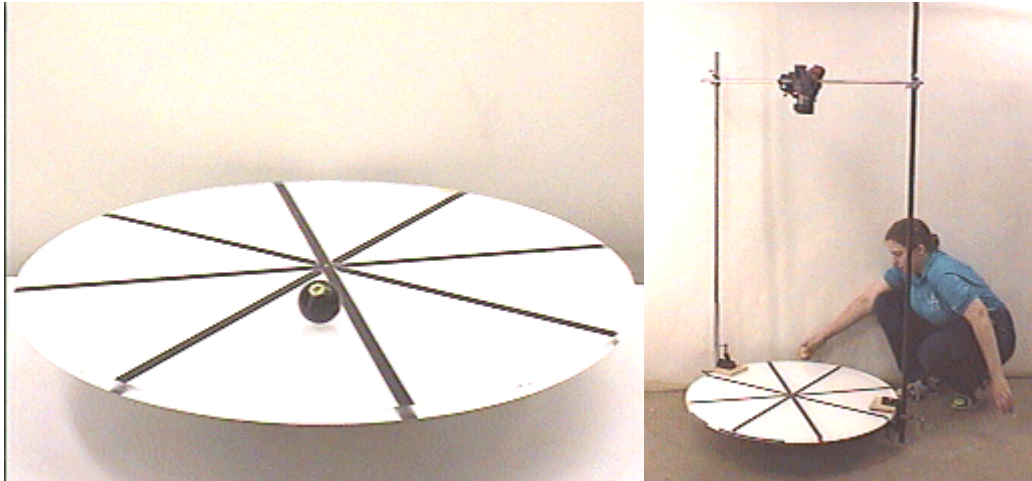


Question #87

A circular platform, shown in the photograph below, is mounted on a rotating base. A ball rolled across the platform can be viewed by a video camera directly above the center of the platform, as seen by clicking your mouse on the photograph at the left. Note that the ball moves straight across the platform.



Now the platform is rotated counterclockwise as viewed from above and the ball rolled by Gwen, beginning from one side directly across the platform. Again the action is viewed from a camera directly above the center of the platform, except *the camera is mounted on the platform and rotates with the platform*.

How will the path of the ball appear to the camera that is rotating with the platform?

When the path of the ball is viewed by a camera rotating with the platform, if the platform rotates counterclockwise when viewed from above, the ball will:

- (a) roll straight.
- (b) curve to the right.
- (c) curve to the left.

Click here for [Answer #87](#) after October 22, 2001.

[Question of the Week](#)

[Outreach Index Page](#)

[Lecture-Demonstration Home Page](#)



For questions and comments regarding the *Question of the Week* contact [Dr. Richard E. Berg](#) by e-mail or using phone number or regular mail address given on the [Lecture-Demonstration Home Page](#).