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WEDNESDAY, MAY 13, 2009

## Secret of the Curve Ball

## The World's Best Illusion: The Se Curve Ball

Devin Powell Inside Science News Service May 13, 2009

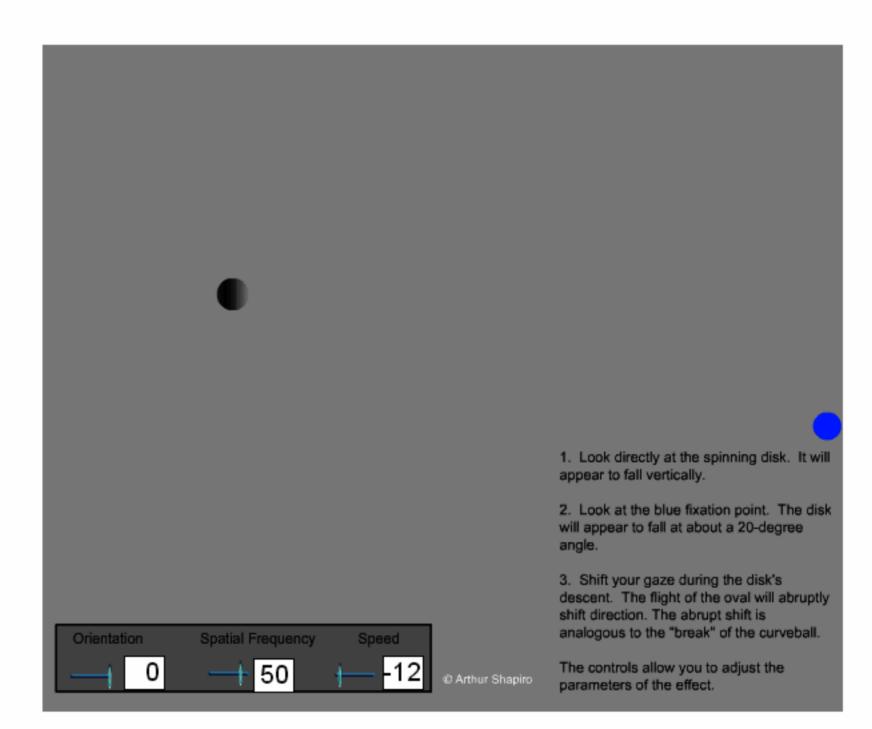
WASHINGTON, D.C. (ISNS) -- The three best visual illusions in the world weekend of neuroscientists and psychologists at the Naples Philharmoni

The winning entry, from a Bucknell University professor, may help explare so tricky to hit.

A properly thrown curve ball spins in a way that makes the air on one side other. This causes the ball to move along a gradual curve. From the poir home plate, though, curve balls seem to "break," or move suddenly in a 1

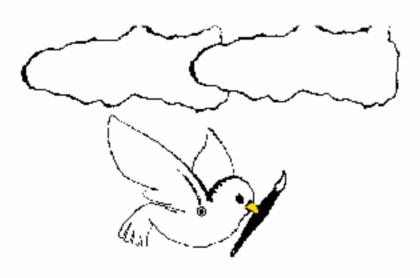
This year's winning illusion, created by Arthur Shapiro of Bucknell Universal explain this phenomena. His animation shows a spinning ball that, when straight line. When seen out of the corner of the eye, however, the spin c thinking that the ball is curving.

So as a baseball flies towards home plate, the moment when it passes fro could exaggerate the movement of the ball, causing its gradual curve to

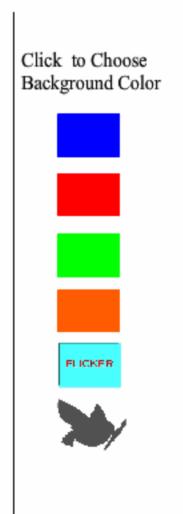


In second place was an illusion of ghostly colors. Stare at a waterfall for the still world around you will appear to flow. The effect is called an "after the still world around you will appear to flow."

Scientists in Israel created a drawing of a sky with clouds that flashes rec dove flying across the sky seems to turn red seconds after the flash, show can linger in our vision and bleed into empty spaces.



Fix your eyes on the black spot

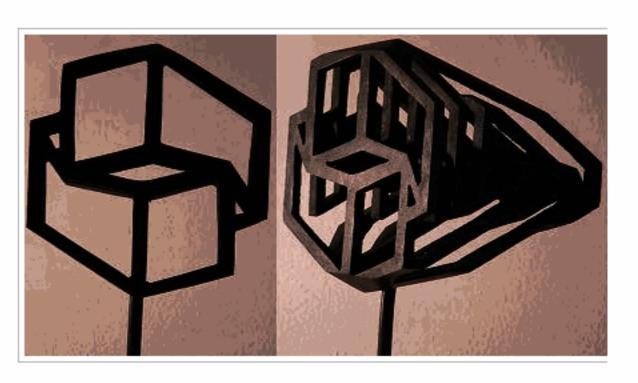


The third place award went to the pair of photographs below. One appea Both faces actually belong to the same person, digitally altered by Richa University. The dark parts of the photograph are a little darker and light "female" photograph. The subtle changes suggest that one way our brain: how strong the contrast is between features.



"Visual illusions show us where physical reality and our perceptions dor the brain is actually doing," says contest organizer Stephen MacKnik of t Institute in Phoenix.

Shapiro's trophy, a sculpture created by Italian artist Guido Moretti, is in changes shape depending on what angle it is viewed from.



The full illusions and the other finalists from the competition can be seen http://illusioncontest.neuralcorrelate.com/

SOURCE: http://www.aip.org/isns/reports/2009/051309visualillusion

