

# Decode the ball mystery itself 'climb the slope' at the 'non-gravity' hill

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According to Newton's law of gravitation: any two objects will attract each other by a force proportional to their mass and inversely proportional to the square of the distance between them.

But this immutable law does not seem right in the "non-gravity" hills later.

These gravity-resistant hills appear in some parts of the world like the Magnetic Hill - Magnet in Canada or the Confusion Hill - Chaos in California.

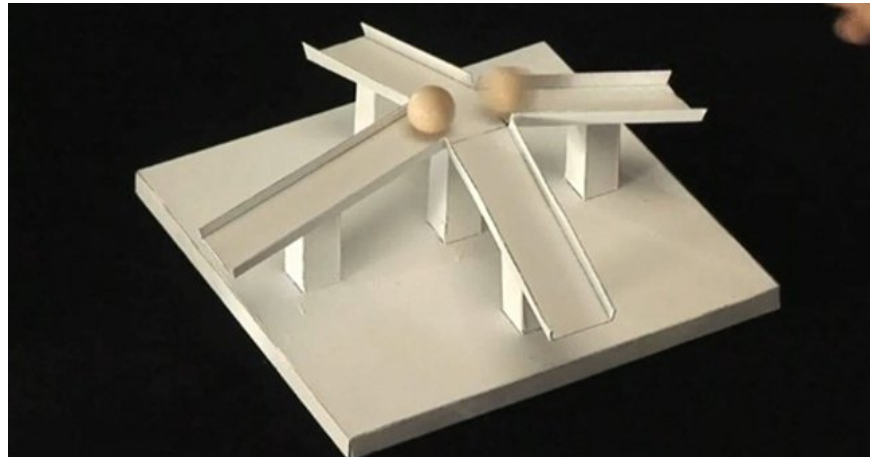
## Decipher the mystery of non-gravity hills

Many people believe that this irrational phenomenon occurs because there are a large magnetic field in the hills. But the answers scientists find are not.



After measuring the slope of the hill, the scientists gave an accurate answer to this phenomenon. According to Brock Weiss, a physicist from Pennsylvania State University: *"Roadbeds have made you hallucinate about the slope of the hill. Instead of going up the hill, the brain fooled by the surrounding scenery will make you think I'm going down the hill."*

Thus, the rolling ball phenomenon is actually just a **tricky**, elaborate optical illusion **trick**. Because the brain is only observed at a certain angle but cannot cover all aspects, aspects of the brain's lack of information lead to bias in perception and deception.



In the world, there are many people who are very good at creating visual trick illusions based on this principle that make viewers unable to believe their eyes. Sugihara, a Japanese mathematician and engineer is one of them. He created a classic work with " *gravity defeating* " marbles to climb up the same slope as the non-gravity hill illusion. This work helped him win the Best Illusion of The Year Contest 2010 illusion contest!

In the video, we see an automatic close up on the slope. But the reality is that they are going downhill, not going up. Our brain has been fooled by the arrangement of 4 ramps along the camera's rotation angle.

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