

Thought experiment

You are minding your own business in the backseat of your friend's car. Your friend decides to take a sharp turn to the right, and you end up sliding across the seat toward the left: out of the circle.

But that means you got pulled outward!

Didn't Mr. Mont say that the force should be inward toward the center??

Was Mr. Mont teaching you bad physics??

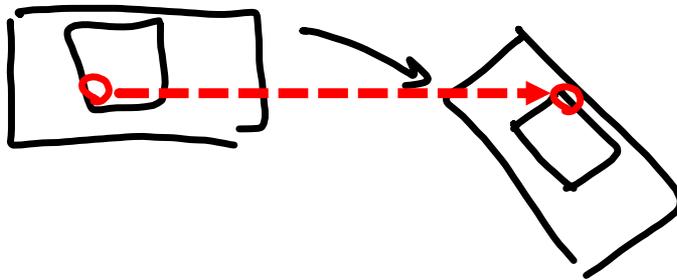
Was Mr. Mont lying?!?

Centrifugal "Force"

When you are moving in a circle,
you feel as if you are being pulled to
the outside.

But it's not really a force.

When your friend turned, there was no pull. You just kept moving straight with your old velocity.



So it's not that you got pulled out and hit the door, it's more like you kept going and the door moved inward toward you and hit you.