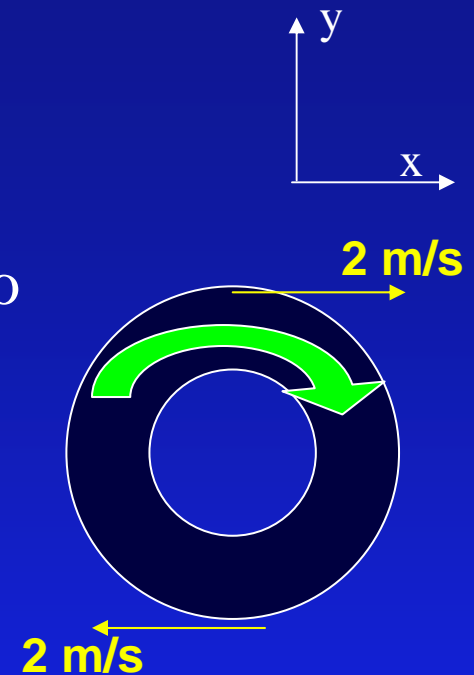


Rolling

A wheel is spinning clockwise such that the speed of the outer rim is 2 m/s.

What is the velocity of the top of the wheel relative to the ground? $+2 \text{ m/s}$

What is the velocity of the bottom of the wheel relative to the ground? -2 m/s



You now carry the spinning wheel to the right at 2 m/s.

What is the velocity of the top of the wheel relative to the ground?

- A) -4 m/s B) -2 m/s C) 0 m/s D) +2m/s E) +4 m/s

What is the velocity of the bottom of the wheel relative to the ground?

- A) -4 m/s B) -2 m/s C) 0 m/s D) +2m/s E) +4 m/s