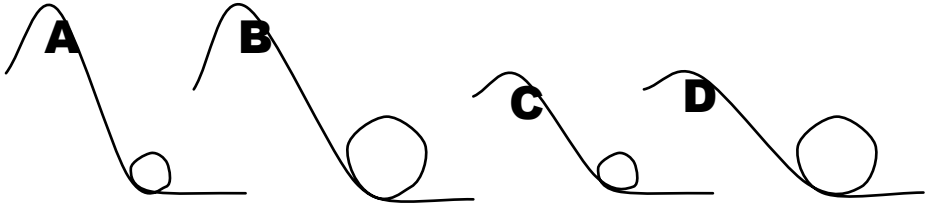
# Wk 23 Circular Motion

3. Centripetal Accel

1. Assuming riders go through fast enough not to fall out at the top, where is the greatest danger of neck/spinal injury or blacking out?

☐ top of a loop ☐ bottom of a loop ☐ sides of a loop ☐ it's all the same




2. Four coasters are shown above. Which coaster has…

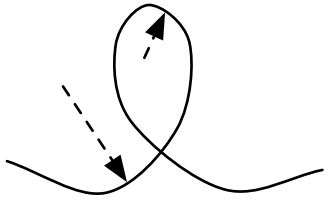
LEAST centrip acceleration? ☐A ☐B ☐C ☐D

LEAST possibility of hurting riders? ☐A ☐B ☐C ☐D

GREATEST centrip acceleration? ☐A ☐B ☐C ☐D

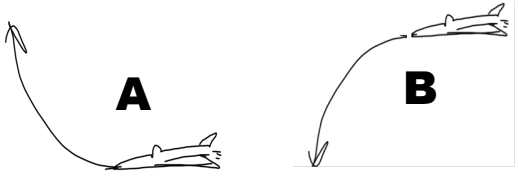
GREATEST possibility of hurting riders? ☐A ☐B ☐C ☐D

3. The first coasters had circular loops. Now they have a teardrop shape. Why is it ok to have a tight loop at the top?



4. Which pilot is more in danger of blacking out?

☐A ☐B





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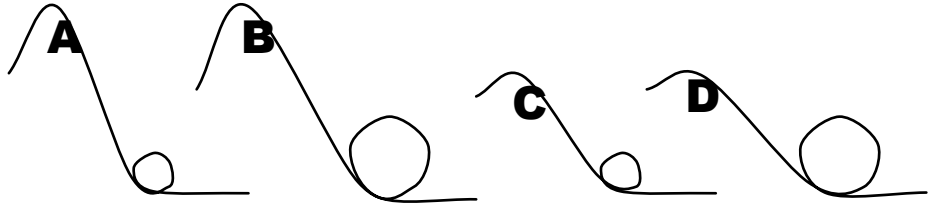



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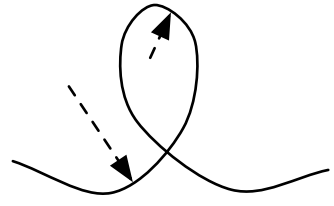


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