

Sidney v Sydney

[Judge View](#)

[Tree View](#)

List of Debates

Hide notes

Side:

None



Phase: **Make Argument**

Remaining: **10:00**

At root

0 Q (H)

A train is coasting around a large circular track. It is then switched to a smaller circular track. How does its speed change?

H Speed gets slower

D Speed stays constant.

Notes



Q

Is total energy conserved?

H Yes

D Yes

2

Payment:

H

D

None

Recurse

Notes



Q

Is speed the magnitude of velocity?

H Yes

D Yes

1

Payment:

H

D

None

Recurse

Notes



Q

Is total energy equal to translational + rotational kinetic

H Yes

D Yes

3

Payment:

H

D

None

Recurse

Notes



Q

Without a force acting parallel to velocity, does the magnitude of

H It can

D No

6

Payment:

H

D

None

Recurse

Notes



Q

Does rotational kinetic energy increase?

H Yes

D Yes

4

Payment:

H

D

None

Recurse

Q

Is there any force acting parallel to velocity?

H No

D No

8

Payment:

H

D

None

Recurse

Notes

Notes

All else being equal,
Q if translational
kinetic energy

H YesD No

7 Payment: H D NoneRecurse

Notes