Interactive Part Quiz Heavy Duty Vehicles

Please answer the following questions.
The Quiz is about the interacitve part of Heavy Duty Vehicles

1 1 point

What is the estimated range of the Tesla Semi?

- ⦾ 620 km
- ⦾ 900 km
- ⦾ 804 km
- ⦾ 707 km

2   1 point

Tesla mainly uses [_____] which can accurately read the environment.

⠿ lidar   ⠿ cameras   ⠿ radar

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3   1 point

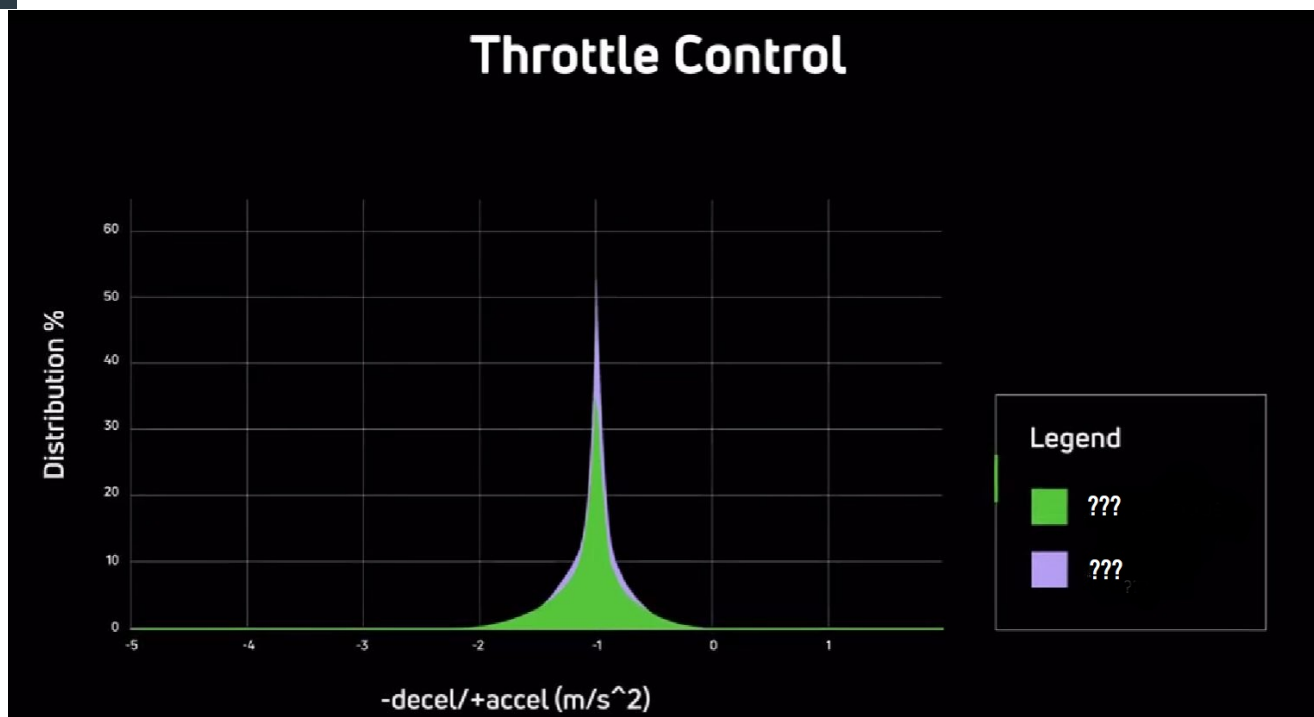Maximium range of radars used in trucks is 150 meters

○ True

○ False

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4   1 point

The advantage of Lidar sensor is that it can not be affected by weather.

○ True

○ False

Throttle Control

Legend

■ ???

■ ???

-decel/+accel (m/s^2)

Green represents ————————— [∨]

Blue represents ————————— [∨]

Possible answers

⋮ the autonomously driven truck   ⋮ the human driven truck

What is an estimated fuel savings for Tesla Trucks per year? (just write the number, not the €

sign)

[   ]

7   1 point

Does an electric truck require less maintenance?

○   Yes

○   No

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8   1 point

How much better fuel effiency autonoumous HDV had compared to HDV driven by human?

☐   10%

☐   18%

☐   7%

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9   1 point

At what angle can a lidar sensor sense objects?

○   180°

○   90°

○   270°

○   360°

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10   1 point

A radar sensor utilizes [＿＿＿＿＿＿＿＿] to map out the distance to objects in its range.

| ⸬ a mechanical wave | ⸬ an electromagnetic signal | ⸬ matter waves |