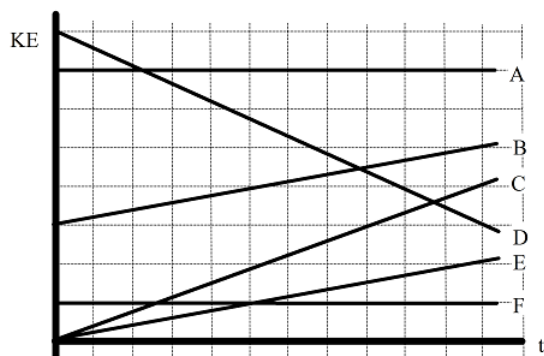


I-110

Below are kinetic energy vs. time graphs for six different objects. All of the objects move horizontally.



a. Rank these graphs on the basis of the change in kinetic energy of the object over the time interval indicated. Rank positive changes in kinetic energy as larger than negative changes in kinetic energy.

Largest 1. ____ 2. ____ 3. ____ 4. ____ 5. ____ 6. ____ Smallest

____ The ranking can not be determined based on the information provided.

Explain the reason for your ranking:

b. Rank these graphs on the basis of the total work on the object over the time interval indicated. Rank a positive total work as larger than a negative total work.

Largest 1. ____ 2. ____ 3. ____ 4. ____ 5. ____ 6. ____ Smallest

____ The ranking can not be determined based on the information provided.

Explain the reason for your ranking:

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