

2.41)

A train moves along the tracks at constant speed "u". A woman on the train throws a ball of mass "m" straight ahead with a speed "v" with respect to herself.

- [A] What is the Kinetic energy gain of the ball as measured by a person on the train?
- [B] What is the Kinetic energy gain of the ball as measured by a person standing by the railroad track?
- [C] How much work is done by the ~~woman~~ woman throwing the ball?
- [D] ~~How~~ How much work is done by the train?