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Reply to comment on 'Accelerating a car from rest: friction, power and forces'

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The main point of our paper was that students often omit figures in their solutions.

The comment to our paper illustrates this point, by not including any figure. The author also seems not to have noticed that the caption to figure 1 of the original paper mentions that 'the energy required for the acceleration is provided by the engine transmitting a torque to the axles of the driving wheels (panel (b)), where the forward friction force exerts a (smaller) torque in the opposite direction. See also the discussion in section 2.4.'

As discussed in section 2.4 of our paper, the conceptual problem, concerning internal energy which is converted to kinetic energy of the system through friction, has been addressed in many previous works, with different approaches.

However, since the author of the comment felt the need for more details to clarify this point, there will certainly be many other readers who will appreciate the comment.

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