

STEP III, 2008 Q9 EC

Q9 Of the three Mechanics questions, this was the most popular with just under a quarter of the candidates attempting it, but with least success. In spite of obtaining the relation in the stem of the question, many failed to appreciate its consequence for the acceleration-time graph in part (i) and as a consequence made little further progress. If candidates managed part (i), then they tended to complete the question barring minor errors, and the occasional assumption that the final simple case was simple harmonic motion.



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