

STEP II, 2014, Q11 EC

Question 11

Many candidates who attempted this question struggled, particularly due to a difficulty in drawing a diagram to represent the situation. From these incorrect diagrams candidates often reached results where one of the signs did not match that given in the question. The calculation of the acceleration was found to be difficult by many of the candidates, although those who understood that differentiation of the coordinates of P would give the acceleration were then able to complete the rest of the question correctly. Those candidates that attempted the final part of the question were able to solve it correctly.



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