

Position of a model aircraft during an emergency landing exercise on a runway was timed as follows

t , s	0	0.49	0.99	1.75	2.51
x , m	120	175	211	262	274

Given that this question is given to be done in 5 minutes, find a reasonable scientific estimate of the acceleration($a = \frac{dv}{dt}$) of the model aircraft at $t = 1.75$ s.

Answer: -67.5208 m/s^2