

You are sliding down the smooth spiral slide of radius [at the playground down the street from your house. Your vertical component is Z= 1 & m/s and your speed is B m/s.

What we the Fr, Fo, Fz force components the slide exerts on you, if your mass is in kg?

$$V_{0} = B\cos \emptyset$$

$$V_{2} = -A\sin \emptyset$$

$$V_{0} = r\dot{\Theta} \rightarrow \dot{\Theta} = \frac{B\cos \emptyset}{r}$$

$$V_{0} = r\dot{\Theta} \rightarrow \dot{\Theta} = \frac{C}{r}$$

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6 = 0

Ø = +a-1 A

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