




Tarzan

Tarzan, represented by a blue ball, is swinging from a 55 meter massless vine. Air resistance is negligible.

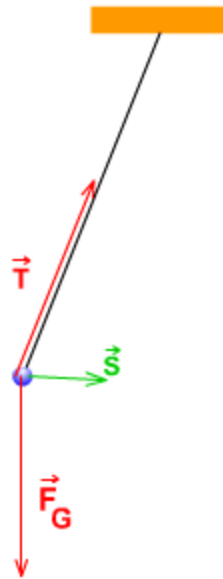
We also show the force exerted on him by the tension of the vine \vec{T} , the force on him due to gravity \vec{F}_G , and the sum of these two forces \vec{S} .

$$\vec{S} = \vec{T} + \vec{F}_G$$

Click to resume: 

Or click these to
single step:  

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Tension (in units of the force due to gravity on Tarzan): 1.05



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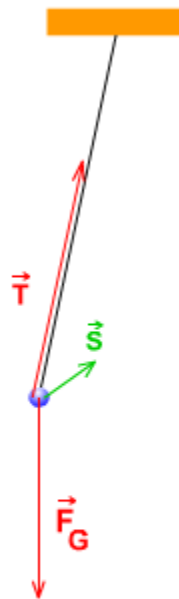
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Tension (in units of the force due to gravity on Tarzan): 1.21

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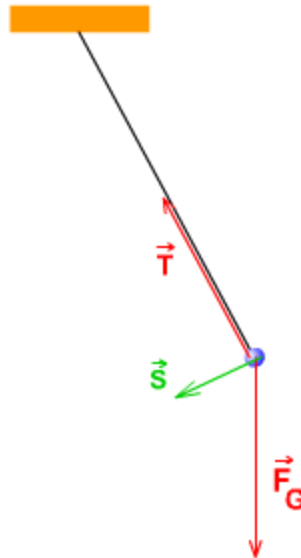
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Click to resume:

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Tension (in units of the force due to gravity on Tarzan): 0.91