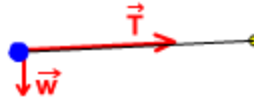


## A Mass Moving in a Vertical Circle

We show a mass moving in a vertical circle with negligible air resistance. The string is massless.

Also shown is the force due to gravity  $\vec{w}$  on the mass and the force  $\vec{T}$  exerted on the mass by the tension of the string.



Units are arbitrary.



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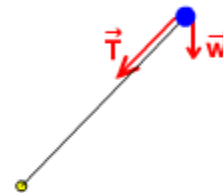
Speed of the mass:

Tension in units of the force due to gravity on the mass:

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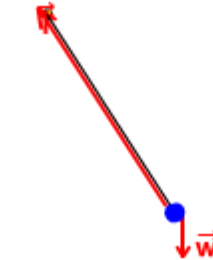
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