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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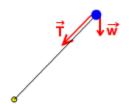
Speed of the mass: 21.9

Tension in units of the force due to gravity 4.9 on the mass:

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Speed of the mass: 18.1

Tension in units of the force due to gravity 2.6 on the mass:

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Units are arbitrary.

Description of the string is massless.

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

Speed of the mass: 25.3

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