

Atwood's machine

Questions

1. What is the acceleration of the blocks when both masses are equal?
2. What is the tension in the string when both masses are equal?
3. What is the acceleration when one mass is double the other?
4. What is the ratio of masses so that acceleration is $g/2$?
5. Is it correct to say that both bodies have equal accelerations?

Note :

While simulations help to provide valuable insights and visualizations, a rigorous mathematical solution should always be considered as a benchmark, demonstrating not just familiarity with the concept, but a deep understanding of the underlying principles.

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