**banner**

**PH 1140 Transverse Standing Waves - Data Sheet**

When finished filling out the DataTable.xls, overwrite the table below with the completed table from DataTable.xls.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| n | L | M | λ=2L/n | vexp=fλ | Texp=Mg | μ=Texp/vexp^2 |
|  | (m) | (kg) | (m) | (m/s) | (N) | (kg/m) |
| 2 |  |  | 0 | 0 | 0 | #DIV/0! |
| 3 |  |  | 0 | 0 | 0 | #DIV/0! |
| 4 |  |  | 0 | 0 | 0 | #DIV/0! |
| 5 |  |  | 0 | 0 | 0 | #DIV/0! |
| 6 |  |  | 0 | 0 | 0 | #DIV/0! |
| 7 |  |  | 0 | 0 | 0 | #DIV/0! |
| 8 |  |  | 0 | 0 | 0 | #DIV/0! |
| 9 |  |  | 0 | 0 | 0 | #DIV/0! |
| 10 |  |  | 0 | 0 | 0 | #DIV/0! |
| 11 |  |  | 0 | 0 | 0 | #DIV/0! |

Other data to be recorded:

L = ?

ΔL = ?

Your results from Avg&StandardDeviation.xls:

n = ? ; avg. = ? ; stand. dev. = ? .