Exp.7: Measuring of g at BZU

|  |  |
| --- | --- |
| $T^{2}$($sec^{2}$) | L (m) |
| 1.124 | 0.308 |
| 1.59 | 0.403 |
| 1.982 | 0.522 |
| 2.409 | 0.63 |
| 2.839 | 0.726 |
| 3.19 | 0.822 |

|  |  |  |
| --- | --- | --- |
| **slop** | **intercept** |  |
| 3.972654 | -0.06945 | **value** |
| 0.089099 | 0.05308 | **error** |

 Centroid (0.568, 2.189)

$$ L (m)$$

$$T^{2} \left(sec^{2}\right)$$

y = 3.9727x - 0.0695
R² = 0.998

$$T^{2} vs L$$