Vernier Format 2 Introduction to Data Analysis on Excel.cmbl 4/2/2012 00:50:14 . Latest

| Time t s | GateState State | Dist d m | ance | Velocity v m/s | Acceleration acc m/s ² | Time' t' s | Distance' d' m | Velocity' v' m/s | Acceleration' a' m/s² |
|----------------|--------------------|----------------|------|----------------------|-----------------------------------|------------------|----------------------|------------------------|-----------------------------|
| | | | | | | | | | |
| 0 | | 1 | 0 | | | 0 | 0 | | |
| 0.019656 | | 0 | | | | 0.036956 | 0.05 | 1.535566 | 9.882349 |
| 0.036956 | | 1 | 0.05 | 1.535566 | 9.882349 | 0.066675 | 0.1 | 1.826873 | 9.721564 |
| 0.052368 | | 0 | | | | 0.092298 | 0.15 | 2.076146 | 9.735912 |
| 0.066675 | | 1 | 0.1 | 1.826873 | 9.721564 | 0.115156 | 0.2 | 2.300506 | 9.894837 |
| 0.079863 | | 0 | | | | 0.135959 | 0.25 | 2.504614 | 9.727537 |
| 0.092298 | | 1 | 0.15 | 2.076146 | 9.735912 | 0.155203 | 0.3 | 2.692971 | 9.848146 |
| 0.103991 | | 0 | | | | 0.173179 | 0.35 | | |
| 0.115156 | | 1 | 0.2 | 2.300506 | 9.894837 | | | | |
| 0.125762 | | 0 | | | | | | | |
| 0.135959 | | 1 | 0.25 | 2.504614 | 9.727537 | | | | |
| 0.145756 | | 0 | | | | | | | |
| 0.155203 | | 1 | 0.3 | 2.692971 | 9.848146 | | | | |
| 0.164356 | | 0 | | | | | | | |
| 0.173179 | | 1 | 0.35 | | | | | | |
| 0.181756 | | 0 | | | | | | | |