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 Leave comments on the TRIU  
 Directly to Mr. Fergersen.

Distance Formula

$$S = V(0)t + \frac{1}{2}At^2$$

- V0 = 5.0m/s
- A1 = 0.0m/s<sup>2</sup>
- A2 = 0.5m/s<sup>2</sup>
- A3 = 1.0m/s<sup>2</sup>
- A4 = 1.5m/s<sup>2</sup>

This sample worksheet calculates and displays results of the general purpose distance equation.

It was developed using AS-EASY v5.5 & v5.7, but it will probably work with any spreadsheet program that reads WKS files.

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| Time(s) | S(A1) | S(A2) |
|---------|-------|-------|
| 0       | 0.0   | 0.0   |
| 2       | 10.0  | 11.0  |
| 4       | 20.0  | 24.0  |
| 6       | 30.0  | 39.0  |
| 8       | 40.0  | 56.0  |
| 10      | 50.0  | 75.0  |
| 12      | 60.0  | 96.0  |
| 14      | 70.0  | 119.0 |
| 16      | 80.0  | 144.0 |
| 18      | 90.0  | 171.0 |
| 22      | 110.0 | 231.0 |
| 24      | 120.0 | 264.0 |
| 26      | 130.0 | 299.0 |
| 28      | 140.0 | 336.0 |
| 30      | 150.0 | 375.0 |

```
{home} {menuxy 6,2} {menuoff} {menuwidth 16} {menujump start}
```

```
Distance GraphVelocity GraphExit
```

```
Display DistanDisplay Final \Exit to the Operating System
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```
/gnudist~v /gnuVelo~v {menuon}~ {menujump start}
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```
{esc 2} {menuj {esc 2} {menujump start}
```

300.0### 5 15 25 35

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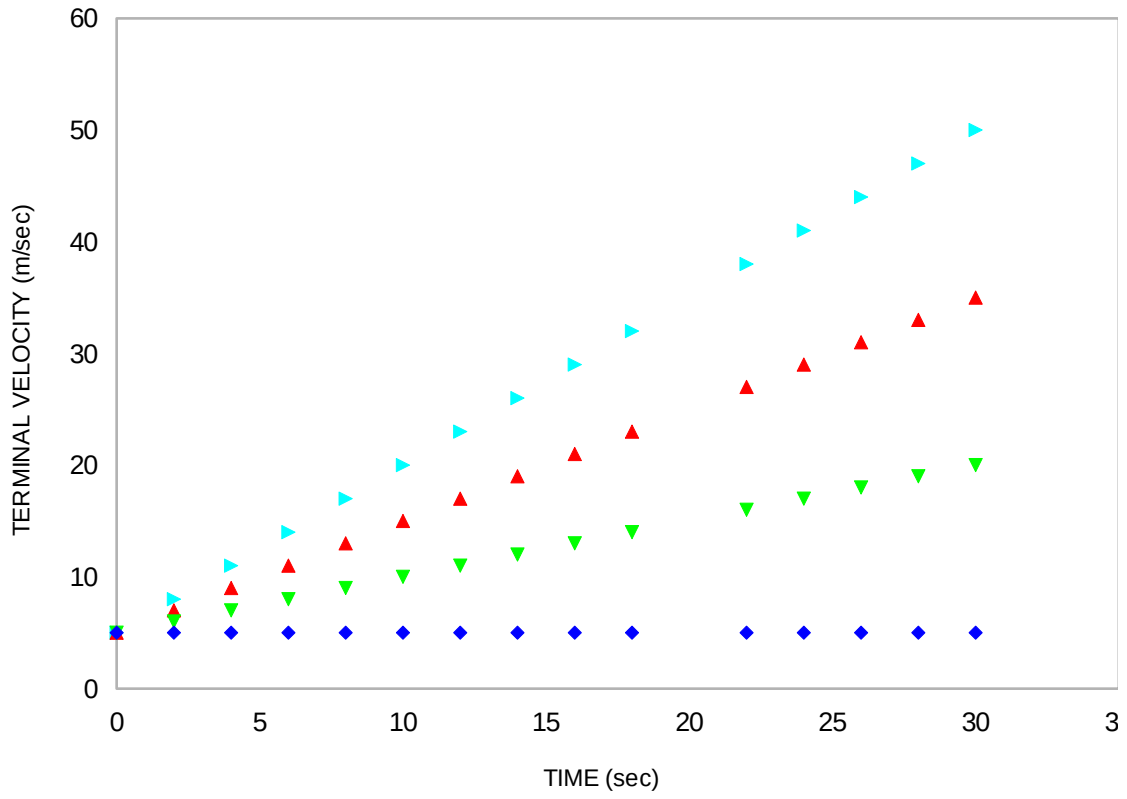
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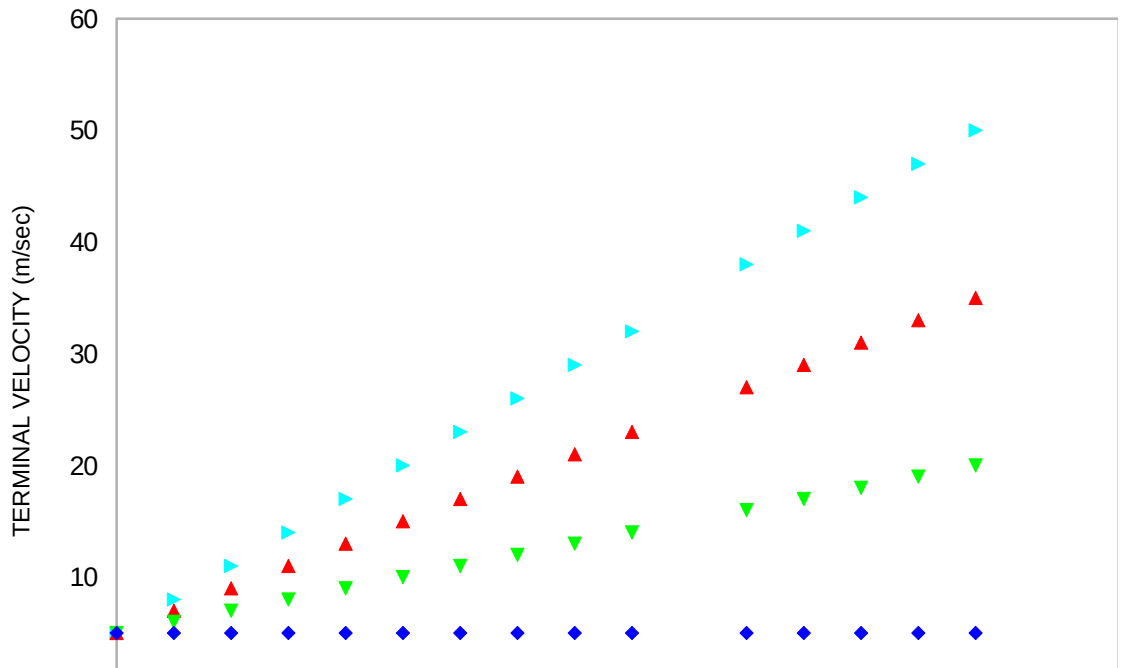
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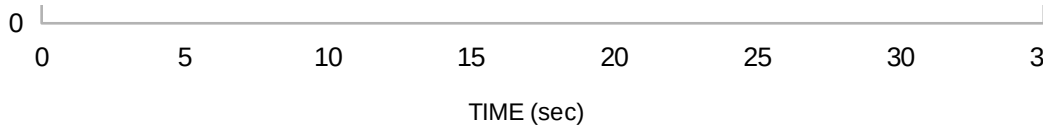
S(A3)A4	V(A0)	V(A1)	V(A2)	V(A3)
0.0 0.0	5	5	5	5
12.0###	5	6	7	8
28.0###	5	7	9	11
48.0###	5	8	11	14
72.0###	5	9	13	17
100.0###	5	10	15	20
132.0###	5	11	17	23
168.0###	5	12	19	26
208.0###	5	13	21	29
252.0###	5	14	23	32
352.0###	5	16	27	38
408.0###	5	17	29	41
468.0###	5	18	31	44
532.0###	5	19	33	47
600.0###	5	20	35	50

TERMINAL VELOCITY

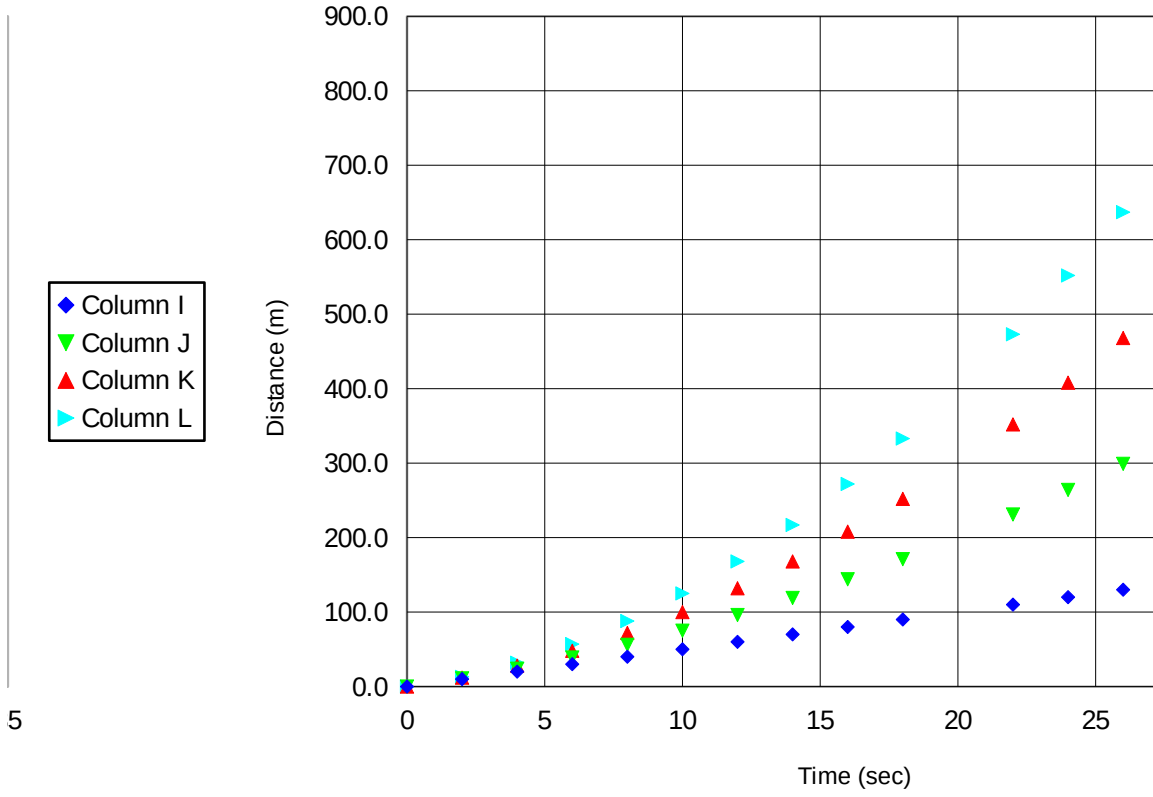


TERMINAL VELOCITY

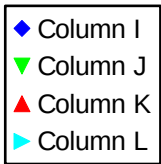




DIST vs. TIME

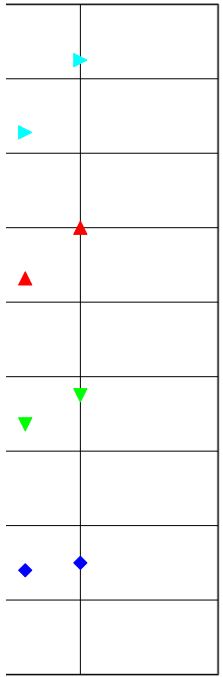


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- ◆ Column E
- ▼ Column F
- ▲ Column G
- ▶ Column H