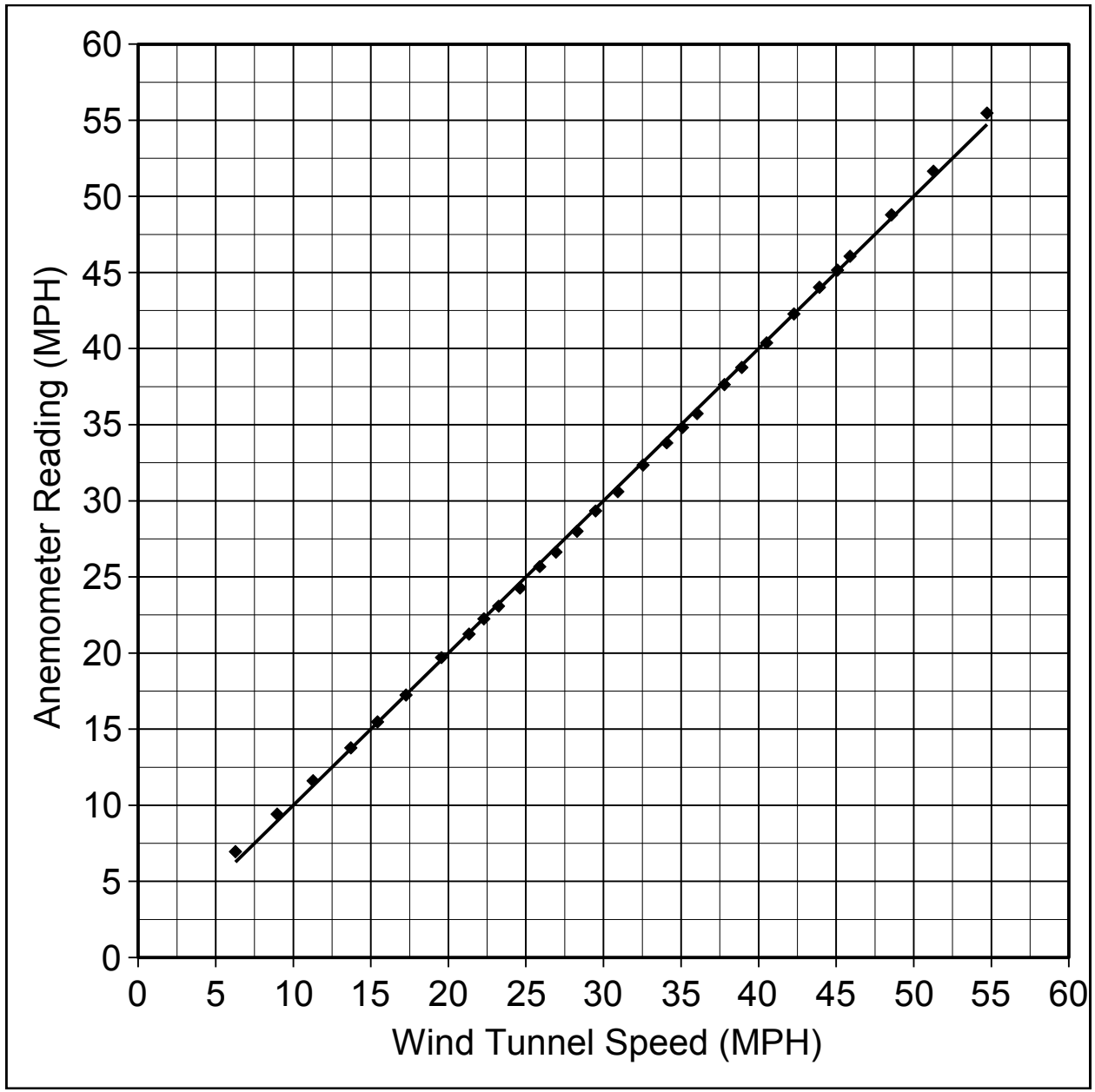
# Fascinating Electronics Anemometer Calibration

| Tunnel Speed | Anemometer Reading | | | Differ-ence |
|---|---|---|---|---|
| | Counts | Time | MPH | |
| 6.26 | 55 | 20.00 | 6.96 | 0.69 |
| 8.96 | 83 | 20.00 | 9.42 | 0.46 |
| 11.28 | 108 | 20.00 | 11.61 | 0.34 |
| 13.71 | 232 | 35.00 | 13.77 | 0.07 |
| 15.43 | 190 | 25.00 | 15.48 | 0.05 |
| 17.27 | 172 | 20.00 | 17.24 | -0.03 |
| 19.55 | 200 | 20.00 | 19.70 | 0.15 |
| 21.34 | 272 | 25.00 | 21.25 | -0.09 |
| 22.28 | 229 | 20.00 | 22.25 | -0.03 |
| 23.24 | 298 | 25.00 | 23.08 | -0.16 |
| 24.61 | 315 | 25.00 | 24.27 | -0.34 |
| 25.88 | 335 | 25.00 | 25.68 | -0.21 |
| 26.94 | 488 | 35.00 | 26.63 | -0.31 |
| 28.30 | 368 | 25.00 | 28.00 | -0.30 |
| 29.49 | 387 | 25.00 | 29.33 | -0.16 |
| 30.92 | 324 | 20.00 | 30.60 | -0.32 |
| 32.55 | 430 | 25.00 | 32.36 | -0.19 |
| 34.08 | 721 | 40.00 | 33.81 | -0.27 |
| 35.10 | 558 | 30.00 | 34.82 | -0.28 |
| 36.04 | 478 | 25.00 | 35.73 | -0.30 |
| 37.79 | 404 | 20.00 | 37.63 | -0.16 |
| 38.92 | 521 | 25.00 | 38.76 | -0.16 |
| 40.51 | 544 | 25.00 | 40.38 | -0.14 |
| 42.28 | 571 | 25.00 | 42.27 | 0.00 |
| 43.93 | 596 | 25.00 | 44.03 | 0.11 |
| 45.09 | 612 | 25.00 | 45.16 | 0.07 |
| 45.89 | 625 | 25.00 | 46.07 | 0.18 |
| 48.57 | 531 | 20.00 | 48.80 | 0.23 |
| 51.28 | 986 | 35.00 | 51.65 | 0.37 |
| 54.73 | 607 | 20.00 | 55.48 | 0.75 |

| | |
|---|---|
| **Scale** | **1.758** |
| **Offset** | **2.121** |




**MPH = Offset + Scale * Counts / Time**

Wind tunnel test data provided by Prof. D. Coiro, ADAG research group, Department of Aeronautical Design, University of Naples 'Federico II', Italy- www.dpa.unina.it/adag/