Tables for Lab #4

**Table 1**. Tuning of ***delta*** with ***HYS*** of 50.

|  |  |  |
| --- | --- | --- |
| ***delta*** | Lap time (sec) | comment |
| 15 | 26.04 | - slow with little oscillation |
| 25 | 15.79 | - looks good |
| 40 | 14.27 | - fast with excessive oscillation |

**Table 2**. Tuning of ***HYS*** with ***delta*** of 25.

|  |  |  |
| --- | --- | --- |
| ***HYS*** | Lap time (sec) | comment |
| 25 | 18.28 | * A lot of oscillation |
| 50 | 15.62 | * Some oscillation |
| 100 | 14.75 | * Little oscillation |

**Table 3.** Tuning of ***delta*** with ***Kp*** of 0.5.

|  |  |  |
| --- | --- | --- |
| ***delta*** | Lap time (sec) | comment |
| 15 | 27.48 | Slow but no oscillation around corners |
| 25 | 13.78 | good pace with little oscillation around corners |
| 40 | 9.75 | Fast but lots of oscillation |

**Table 4**. Tuning of ***KP*** with ***delta*** of 25.

|  |  |  |
| --- | --- | --- |
| ***KP*** | Lap time (sec) | comment |
| 0.25 | 14.75 | Slow with no oscillation |
| 0.50 | 14.78 | Faster but some oscillation |
| 0.75 | 15.95 | Most oscillation around corners |