Torque Arrays Plots from Dyno Data

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# Background

# Hypothesis

# Method and Result

**Interpolation: Columns – 1863, Rows - 224**

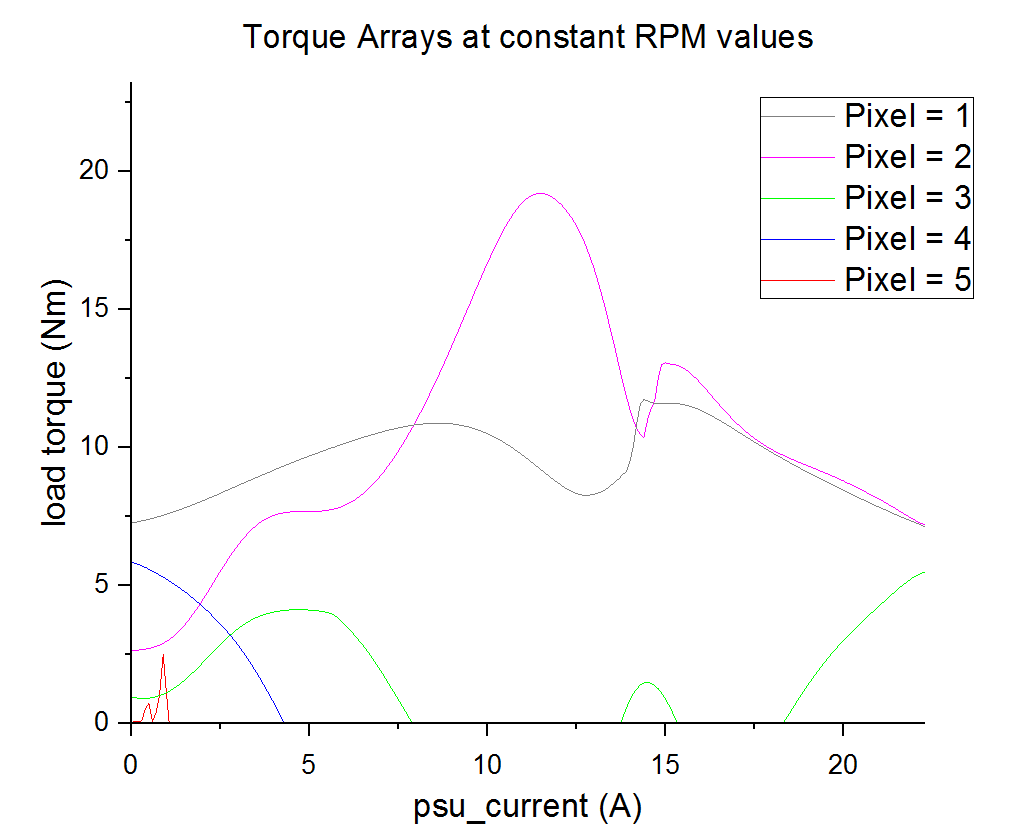


Figure Torque Arrays at constant RPM

## Table 1

|  |  |  |
| --- | --- | --- |
| Torque at Constant RPM values | | |
|  | Actual RPM (rad/s) | Approximate RPM (rad/s) |
| Pixel 1 | 8005 | 8000 |
| Pixel 2 | 6000 | 6000 |
| Pixel 3 | 4005 | 4000 |
| Pixel 4 | 2017 | 2000 |
| Pixel 5 | 12.57 | 0 |

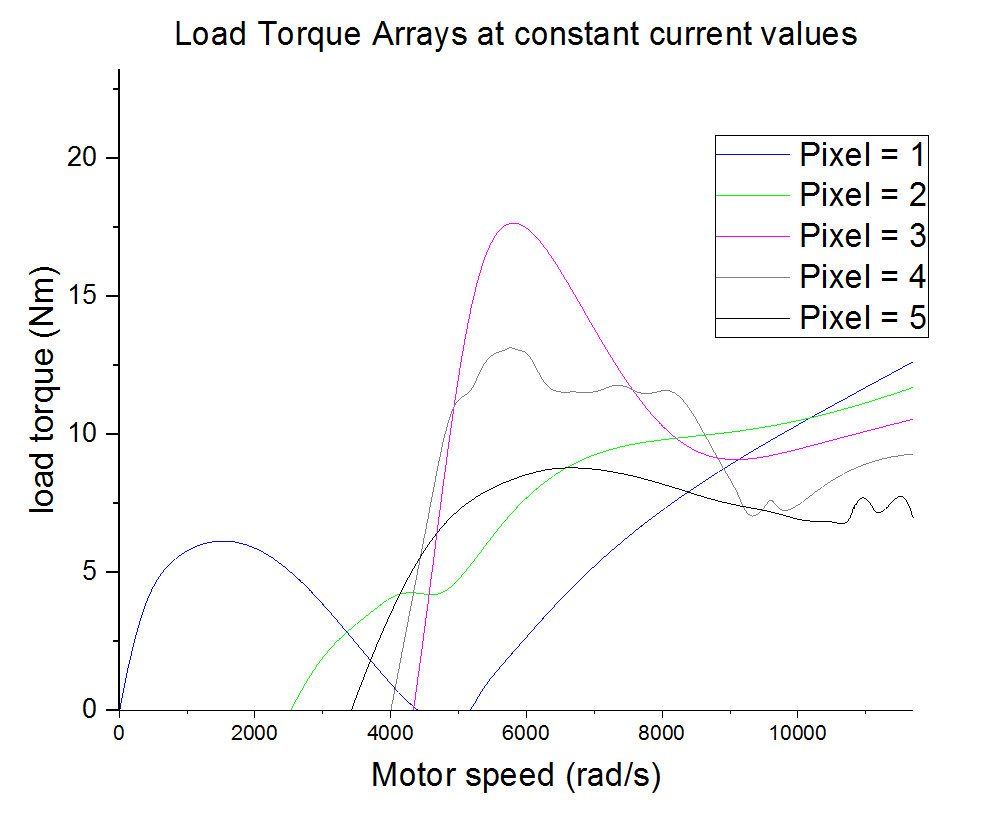


Figure 2 Torque arrays at constant Current

## Table 2

|  |  |  |
| --- | --- | --- |
| Torque at Constant Current values | | |
|  | Actual Current (A) | Approximate Current (A) |
| Pixel 1 | 0.01246 | 0 |
| Pixel 2 | 4.969 | 5 |
| Pixel 3 | 9.992 | 10 |
| Pixel 4 | 15.01 | 15 |
| Pixel 5 | 20.02 | 20 |

# References:

Plotting 3D surfaces in Origin: <http://wiki.originlab.com/~originla/howto/index.php?title=Tutorial:3D_Plotting>

<http://www.originlab.com/index.aspx?go=Products/Origin/Graphing>