Current Arrays Plots from Dyno Data

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# Background

# Hypothesis

# Method and Result

**Interpolation: Columns – 1863, Rows - 39**

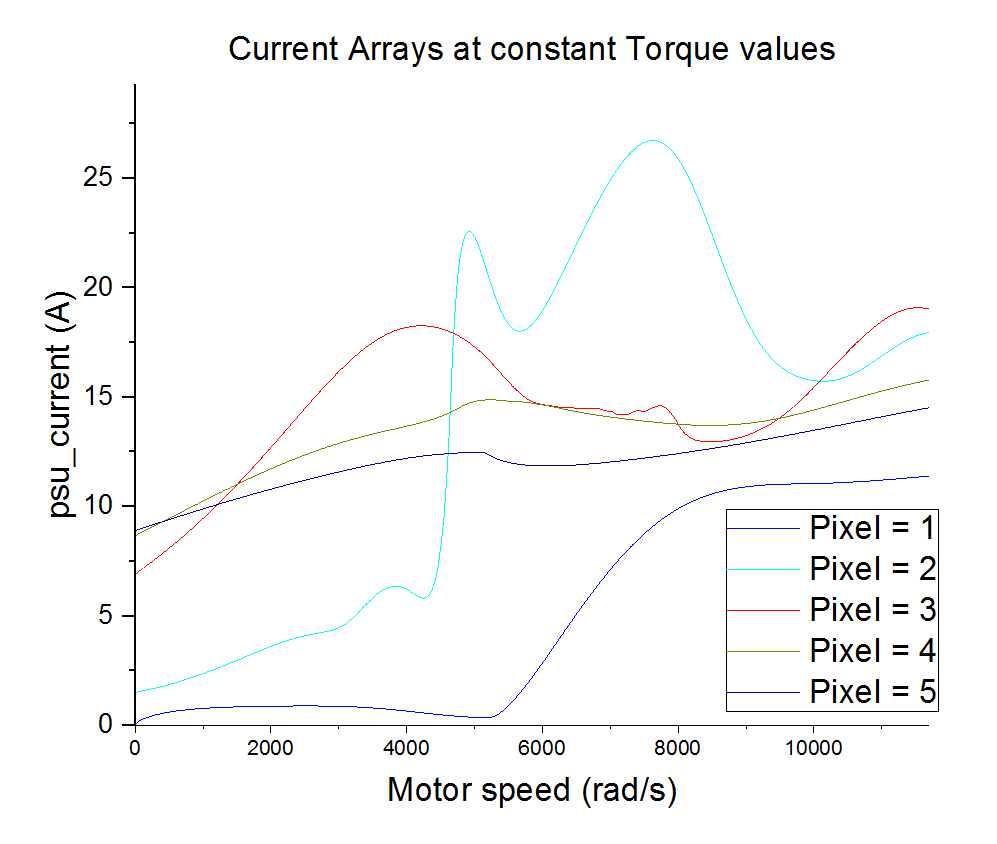
v

Figure Current Arrays at constant Torque

## Table 1

|  |  |  |
| --- | --- | --- |
| Current at Constant Torque values | | |
|  | Actual Torque (Nm) | Approximate Torque (Nm) |
| Pixel 1 | 19.93 | 20 |
| Pixel 2 | 14.98 | 15 |
| Pixel 3 | 10.02 | 10 |
| Pixel 4 | 5.014 | 5 |
| Pixel 5 | 0.01191 | 0 |

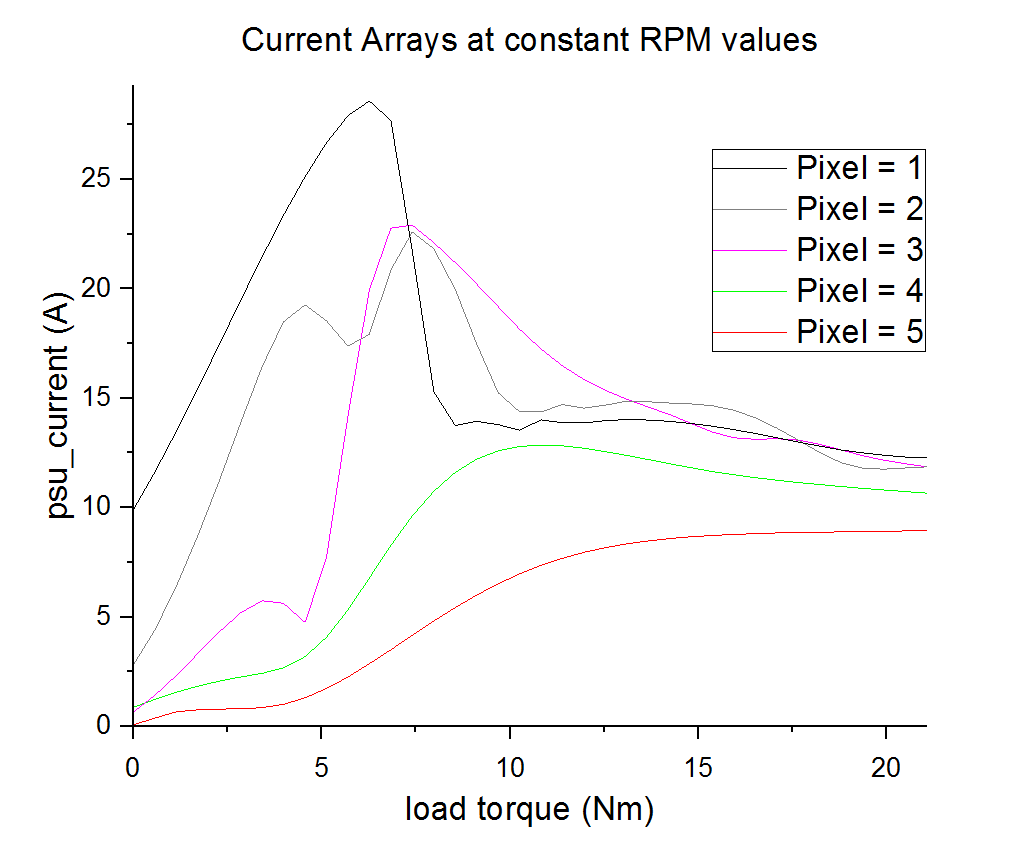


Figure 2 Current arrays at constant RPM

## Table 2

|  |  |  |
| --- | --- | --- |
| Current at Constant RPM values | | |
|  | Actual RPM (rad/s) | Approximate RPM (rad/s) |
| Pixel 1 | 12.57 | 0 |
| Pixel 2 | 2012 | 2000 |
| Pixel 3 | 4004 | 4000 |
| Pixel 4 | 5993 | 6000 |
| Pixel 5 | 7999 | 8000 |

# 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>