**Weekly Work Log**

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| **[02/18/2019]-[02/24/2019]** | **Name:** | **Jeremy Hepker** |

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| **Task Description** | **Day** | **Hours** | **NOTE** | **SUPERVISOR NOTE** | |
| Re-fashion jacobian to use numerical derivative | monday | 1 | Maybe this worked? |  |  |
| Research efficiency vs. convergence for numerical derivative methods. Implement best choice | monday | 2.5 | Settled to classic definition of a derivative. Best cost/reward |  |  |
| Revise matrix manipulations to accomidate vector<vectors>> | Tuesday | 3 | This took to long |  |  |
| Debug gauss newton with small test case | Tuesday | 1 | Still broken |  |  |
| Gauss -newton work | Tuesday | 4 | Still broken |  |  |
| Gauss-newton.. | Wednesday | 2 | Not converging |  |  |
| Research alternative methods | Friday | 3 | Lavert-marqua |  |  |
| Implement a basic lavert -marqua | saturday | 4 | Not working yet |  |  |
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| **Task List (obstacles & solutions)** |
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