MST Chapter Initial Results

8/10/23

Information-based Routing, Average Error Percentage

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Forward | | Backward | | Spiral | | Random | |
|  | 1-3-3 | 1-3-4 | 1-3-3 | 1-3-4 | 1-3-3 | 1-3-4 | 1-3-3 | 1-3-4 |
| increasing | 16% | 20% | 15% | 22% | 19% | 24% | 16% | 23% |
| equal | 11% | 21% | 14% | 18% | 14% | 19% | 10% | 18% |
| decreasing | 7% | 19% | 6% | 18% | 10% | 17% | 9% | 15% |

Theta-based Routing, Average Error Percentage

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Forward | | Backward | | Spiral | | Random | |
|  | 1-3-3 | 1-3-4 | 1-3-3 | 1-3-4 | 1-3-3 | 1-3-4 | 1-3-3 | 1-3-4 |
| increasing | 12% | 19% | 17% | 21% | 18% | 17% | 16% | 19% |
| equal | 9% | 13% | 10% | 13% | 11% | 13% | 9% | 14% |
| decreasing | 8% | 11% | 10% | 12% | 7% | 12% | 9% | 13% |

Information-based Routing, 1-3-3 design:

A group of graphs showing different types of data

Description automatically generated with medium confidence

Information-based Routing, 1-3-4 design:

A group of graphs showing different sizes of graphs

Description automatically generated with medium confidence

Theta-based Routing, 1-3-3 design:

A group of graphs showing different types of data

Description automatically generated with medium confidence

Theta-based Routing, 1-3-4 design:

A group of graphs showing different types of data

Description automatically generated with medium confidence