

## LIST OF FIGURES

|     |  |    |
|-----|--|----|
| 1.1 | Theoretical Framework . . . . .              | 2  |
| 2.1 | Linear Interpolation Graph . . . . .         | 6  |
| 2.2 | Quadratic Interpolation Graph . . . . .      | 6  |
| 2.3 | Cubic Interpolation Graph . . . . .          | 7  |
| 3.1 | Design System . . . . .                      | 12 |
| 3.2 | Sensor Station Location . . . . .            | 14 |
| 3.3 | Interpolation Points Number . . . . .        | 18 |
| 3.4 | Wind Direction . . . . .                     | 20 |
| 4.1 | Heatmap at 0 second . . . . .                | 24 |
| 4.2 | Heatmap at 1 <sup>st</sup> second . . . . .  | 25 |
| 4.3 | Heatmap at 21 <sup>st</sup> second . . . . . | 25 |
| 4.4 | Heatmap at 41 <sup>st</sup> second . . . . . | 26 |
| 4.5 | Testing Location . . . . .                   | 26 |
| 4.6 | Graph of Result . . . . .                    | 27 |
| 4.7 | Comparison Interpolation Method . . . . .    | 29 |