|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Case | Gradient  (°) | Acceleration  (m/s2) | Initial Guess (m/s) | Solution  (m/s) | Numbers of Iterations |
| 1 | 0 | 0 | 55 | 54.8832 | 3 |
| 2 | 10.° | 0 | 35 | 32.3904 | 4 |
| 3 | -5° | 0 | 70 | 65.1241 | 3 |
| 4 | 0 | 1 | 45 | 42.0609 | 4 |

|  |  |
| --- | --- |
| Case1 | Number of Iterations |
| 10 | Wrong |
| 30 | 9 |
| 40 | 5 |
| 50 | 4 |
| 55 | 3 |

|  |  |
| --- | --- |
| Case2 | Number of Iterations |
| 10 | Wrong |
| 40 | 5 |
| 30 | 4 |
| 35 | 4 |

|  |  |
| --- | --- |
| Case3 | Number of Iterations |
| 35 | 11 |
| 100 | 5 |
| 65 | 3 |

|  |  |
| --- | --- |
| Case3 | Number of Iterations |
| 65 | 5 |
| 45 | 4 |