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**Results from Simulations**

**Time for verification = 5 seconds**

|  |  |  |
| --- | --- | --- |
| **Runs** | **Convergence Time** | **Converged Samples** |
| Run 1 | 19.9 | 500 |
| Run 2 | 19.85 | 500 |
| Run 3 | 19.86 | 500 |
| Run 4 | 19.97 | 500 |
| Run 5 | 20.48 | 500 |

Average = 20.012 time units

**Time for verification = 10 seconds**

|  |  |  |
| --- | --- | --- |
| **Runs** | **Convergence Time** | **Converged Samples** |
| Run 1 | 44.46 | 500 |
| Run 2 | 44.62 | 500 |
| Run 3 | 45.0 | 500 |
| Run 4 | 44.56 | 500 |
| Run 5 | 44.26 | 500 |

Average = 44.58 time units

**Time for verification = 15 seconds**

|  |  |  |
| --- | --- | --- |
| **Runs** | **Convergence Time** | **Converged Samples** |
| Run 1 | 64.26 | 500 |
| Run 2 | 65.04 | 500 |
| Run 3 | 64.68 | 500 |
| Run 4 | 65.31 | 500 |
| Run 5 | 64.62 | 500 |

Average = 64.782 time units

**Time for verification = 20 seconds**

|  |  |  |
| --- | --- | --- |
| **Runs** | **Convergence Time** | **Converged Samples** |
| Run 1 | 91.92 | 500 |
| Run 2 | 91.24 | 500 |
| Run 3 | 92.32 | 500 |
| Run 4 | 93.76 | 500 |
| Run 5 | 90.44 | 500 |

Average = 91.936 time units

**Time for verification = 25 seconds**

|  |  |  |
| --- | --- | --- |
| **Runs** | **Convergence Time** | **Converged Samples** |
| Run 1 | 134.3 | 500 |
| Run 2 | 129.45 | 500 |
| Run 3 | 129.85 | 500 |
| Run 4 | 133.75 | 500 |
| Run 5 | 131.45 | 500 |

Average = 131.76 time units

**Time for verification = 30 seconds**

|  |  |  |
| --- | --- | --- |
| **Runs** | **Convergence Time** | **Converged Samples** |
| Run 1 | 200.740740741 | 486 |
| Run 2 | 193.217213115 | 488 |
| Run 3 | 200.76446281 | 484 |
| Run 4 | 204.12371134 | 485 |
| Run 5 | 203.888888889 | 486 |

Average = 200.547 time units