**BENCHMARKS GUZZELLA (NO WAYPOINTS)**

|  |  |  |
| --- | --- | --- |
| **TEST** | **CONFIGURATIONS** | **OPTIMAL TIME** |
| **A0** | **qi = (0, 0)**  **qf = (0.98, 0)** | **1.107s** |
| **A1** | **qi = (0.0)**  **qf = (1, 0)** | **1.111ss** |
| **B0** | **qi = (0, 0)**  **qf = (0.785, -2pi)** | **1.063s** |
| **B1** | **qi = (0, 0)**  **qf = (pi, -2pi)** | **1.396s** |

**GUZZELLA WITH WAYPOINTS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TEST** | **CONFIGURATIONS** | **# WAYPOINTS** | **INITIAL TIME** | **OPTIMAL TIME** | **EXEC. TIME** |
| **A0** | **qi = (0, 0)**  **qf = (0.98, 0)** | **1** | **1.107s** | **1.104s** | **47s** |
|  |  | **2** | **-** | **1.103s** | **98s** |
|  |  | **3** | **-** | **1.099s** | **143s** |
|  |  | **4** | **-** | **1.097s** | **188s** |
|  |  | **5** | **-** | **1.095s** | **237s** |
|  |  | **10** | **-** | **1.086s** | **474s** |
| **A1** | **qi = (0.0)**  **qf = (1, 0)** | **1** | **1.111s** | **1.103s** | **37s** |
|  |  | **2** | **-** | **1.101s** | **68s** |
|  |  | **3** | **-** | **1.095s** | **104s** |
|  |  | **4** | **-** | **1.091s** | **228s** |
|  |  | **5** | **-** | **1.089s** | **311s** |
|  |  | **10** | **-** | **1.086s** | **487s** |
| **B0** | **qi = (0, 0)**  **qf = (0.785, -2pi)** | **1** | **1.063s** | **1.062s** | **39s** |
|  |  | **2** | **-** | **0.993s** | **89s** |
|  |  | **3** | **-** | **0.992s** | **148s** |
|  |  | **4** | **-** | **0.988s** | **252s** |
|  |  | **5** | **-** | **0.985s** | **324s** |
|  |  | **10** | **-** | **0.981s** | **444s** |
| **B1** | **qi = (0, 0)**  **qf = (pi, -2pi)** | **1** | **1.396s** | **1.396s** | **23s** |
|  |  | **2** | **-** | **1.297s** | **47s** |
|  |  | **3** | **-** | **1.296s** | **84s** |
|  |  | **4** | **-** | **1.273s** | **114s** |
|  |  | **5** | **-** | **1.272s** | **291s** |
|  |  | **10** | **-** | **1.263s** | **548s** |