# **Algoritmo Genético**

Função de Rastrigin

# Caso 1 X Caso 2

|  | Caso 1 | Caso 2 |
|---|---|---|
| Taxa de crossover | 0.01 | 0.01 |
| Taxa de mutação | 0.0005 | 0.001 |

# Caso 1 X Caso 2

|  | Caso 1 | Caso 2 |
|---|---|---|
| Tempo médio | 18,7 | 18,9666666666667 |
| Melhor Individuo | 0,00000000109614184395923 | 0,00000000114559739472497 |
| Pior Individuo | 0,00000903297885201937 | 0,000011079891114818 |
| Media | 0,000000828862173977522 | 0,0000012114187126025 |
| Desvio Padrão | 0,0000020033645034922 | 0,0000026431044758825 |

# Teste T

## QuickCalcs

### Unpaired *t* test results

**P value and statistical significance:**
The two-tailed P value equals 0.5295
By conventional criteria, this difference is considered to be not statistically significant.

**Confidence interval:**
The mean of CASO 1 minus CASO 2 equals -0.00000038
95% confidence interval of this difference: From -0.00000160 to 0.00000083

**Intermediate values used in calculations:**
t = 0.6325
df = 58
standard error of difference = 0.000

# Teste T

## QuickCalcs

### Unpaired *t* test results

**P value and statistical significance:**
The two-tailed P value equals 0.9490
By conventional criteria, this difference is considered to be not statistically significant.

**Confidence interval:**
The mean of TEMPO 1 minus TEMPO 2 equals -0.27
95% confidence interval of this difference: From -8.58 to 8.05

**Intermediate values used in calculations:**
t = 0.0642
df = 58
standard error of difference = 4.154