Alunos: Chrystian de Sousa Guth, Lucas Pereira da Silva

## **Problema 1**

## Saídas do Input Analyzer

### Distribuição Uniforme com 25 pontos



### Function Sq Error

-----

 Beta
 0.04

 Uniform
 0.0416

 Triangular
 0.0674

 Normal
 0.0728

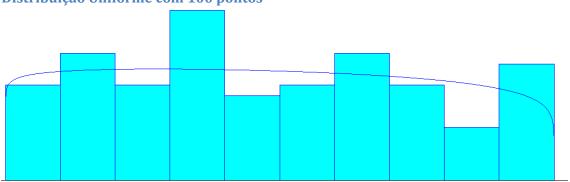
 Weibull
 0.0844

 Erlang
 0.0883

 Gamma
 0.0892

Exponential 0.102 Lognormal 0.102

### Distribuição Uniforme com 100 pontos

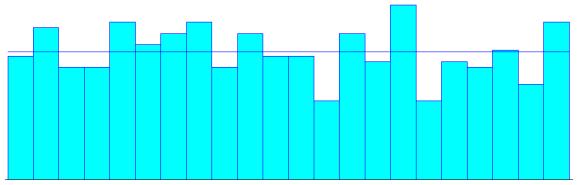


Function Sq Error

Beta 0.00752 Uniform 0.0078 Weibull 0.014 Gamma 0.0161 Erlang 0.0163 Normal 0.0166 Lognormal 0.0247

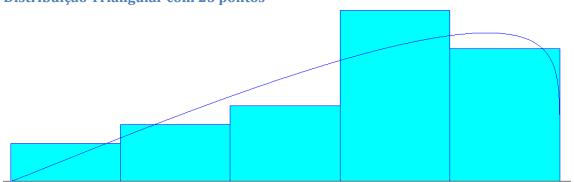
## Triangular 0.0282 Exponential 0.0297

### Distribuição Uniforme com 500 pontos



Triangular 0.0181

Distribuição Triangular com 25 pontos



Function Sq Error

 Beta
 0.0108

 Normal
 0.0227

 Weibull
 0.0287

 Triangular
 0.0405

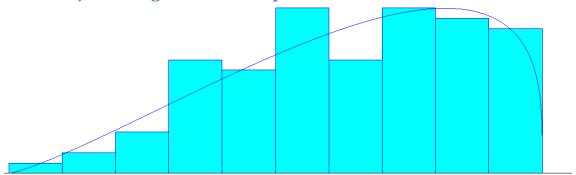
 Uniform
 0.0544

 Erlang
 0.059

 Gamma
 0.0843

 Exponential
 0.145

# Distribuição Triangular com 100 pontos



#### Sq Error Function

0.00387 Beta

Weibull 0.0123

Normal 0.0125

Erlang 0.0171

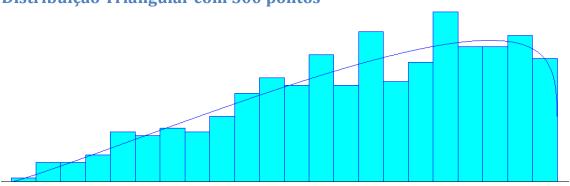
Gamma 0.0171

Lognormal 0.0225 Uniform

0.0296

Triangular 0.0344 Exponential 0.0812

# Distribuição Triangular com 500 pontos



#### Sq Error Function

Beta 0.0012

0.00656 Normal

Weibull 0.00687

Triangular 0.00763

Gamma 0.0109

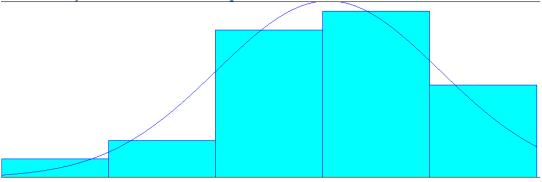
Erlang 0.0111

Uniform 0.0132

Lognormal 0.0149

Exponential 0.0367

Distribuição Normal com 25 pontos



Function Sq Error

 Normal
 0.00594

 Beta
 0.00874

 Triangular
 0.0119

 Weibull
 0.0148

 Gamma
 0.0595

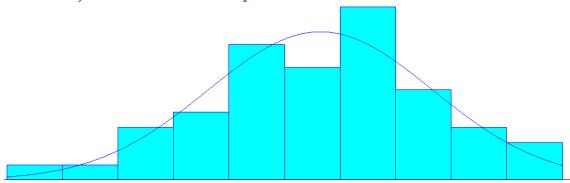
 Erlang
 0.0679

 Uniform
 0.08

 Lognormal
 0.113

Exponential 0.183

# Distribuição Normal com 100 pontos



Function Sq Error

 Normal
 0.00597

 Triangular
 0.00607

 Weibull
 0.00708

 Beta
 0.00817

 Erlang
 0.0164

 Gamma
 0.0166

 Lognormal
 0.0306

 Uniform
 0.0434

 Exponential
 0.0894

# Distribuição Normal com 500 pontos



### Function Sq Error

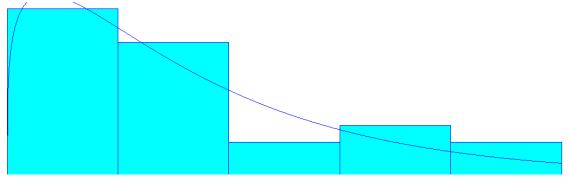
Normal 0.000655
Weibull 0.00129
Beta 0.00147
Triangular 0.00296
Erlang 0.00506
Gamma 0.00586
Lognormal 0.0139

Exponential 0.0429

0.0256

Uniform

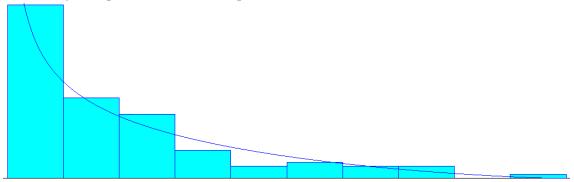
## Distribuição Exponencial com 25 pontos



## Function Sq Error

Gamma 0.0103 Weibull 0.0113 Erlang 0.0135 Exponential 0.0135 Beta 0.0172 Lognormal 0.0186 Triangular 0.023 Normal 0.0741 Uniform 0.0896

## Distribuição Exponencial com 100 pontos



### Function Sq Error

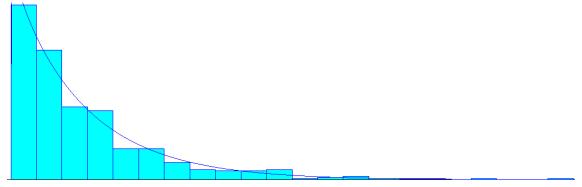
-----

Beta 0.00442 Erlang 0.00445 Exponential 0.00445 Lognormal 0.00455 Weibull 0.00498 Gamma 0.00639

Normal 0.0902 Triangular 0.0986

Uniform 0.16

## Distribuição Exponencial com 500 pontos



### Function Sq Error

Beta 0.00442

Erlang 0.00445

Exponential 0.00445

Lognormal 0.00455 Weibull 0.00498

Gamma 0.00639

Normal 0.0902

Triangular 0.0986

Uniform 0.16