

test__results

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This is to show some test results of the `ars` function. Details are in the `test.R` file.

```
test_fun(1000, dis_logistic, rlogis, "logistic distribution", D_left = -10, D_right = 10)
```

```
## [1] "generating samples from logistic distribution..."
## [1] "performing ks-test on logistic distribution..."
## [1] "test passed with logistic distribution"
```

```
test_fun(1000, dis_norm, rnorm, "normal distribution", D_left = -10, D_right = 10)
```

```
## [1] "generating samples from normal distribution..."
## [1] "performing ks-test on normal distribution..."
## [1] "test passed with normal distribution"
```

```
test_fun(1000, dis_unif, runif, "uniform distribution", D_left = 0, D_right = 1)
```

```
## [1] "generating samples from uniform distribution..."
## [1] "performing ks-test on uniform distribution..."
## [1] "test passed with uniform distribution"
```

```
test_fun(1000, dis_laplace, rlaplace, "laplace distribution", D_left = -10, D_right = 10)
```

```
## [1] "generating samples from laplace distribution..."
## [1] "performing ks-test on laplace distribution..."
## [1] "test passed with laplace distribution"
```

```
test_fun(1000, dis_gamma, r_gamma, "gamma distribution", D_left = 0.01, D_right = Inf)
```

```
## [1] "generating samples from gamma distribution..."
## [1] "performing ks-test on gamma distribution..."
## [1] "test passed with gamma distribution"
```

```
ars(1000, g = dis_nc, D_left = -10, D_right = 10)
```

```
## Error: Input is not a log-concave function
```