Information on package "EM.mixSGTN"

Description: EM-algorithm for fitting mixtures of SGTN distributions

Package: EM.mixSGTN

Type: Package

Version: 0.1.0

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License: GPL (>= 2.0)

Encoding: UTF-8

LazyData: true

Repository: GitHub

Needs Compilation: no

Built: R 4.0.4

UTC; windows

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Some examples :

```
# Example 1:
# Simulating 100 samples from one component SGTN distribution:
y <- r.mixSGTN(n=100, xi=5, s=2, la=3, nu=5)
# EM output with specific initial values:
EM.mixSGTN(y, xi=4, s=2.5, la=1, nu=3, get.init=FALSE)
# EM output without specific initial values:
EM.mixSGTN(y, get.init=TRUE)
# Example 2:
# Simulating 1000 samples from mixtures of SGTN distributions:
y <- r.mixSGTN(n=1000, w=c(.3,.7), xi=c(0,5), s=c(2,5), b=c(1,3),
```

```
la=c(-3,3) , nu=4)
```

EM output without specific initial values:

```
EM.mixSGTN(y, g=2, get.init=TRUE)
```

Flow cytometry data

```
data < −data(CC4)
y < − data$PE.Cy5/1000
fit < − mix.SGTN(y,g=2, iter.max=200 )
```