

```

mon.ACF.de.bonhomme = function(Xt, type = "ACF"){
  # Inputs:
  # Xt -> time series
  # type -> type of graphs: "ACF", "ACF/PACF" or "RACF"

  # Compute ACF
  Yt = gts(Xt, name = "ACF")
  acf.graph = plot(ACF(Yt))

  if (type == "ACF"){
    acf.graph
  }else{
    if (type == "ACF/PACF"){
      # Compute PACF
      Zt = gts(Xt, name = "PACF")
      pacf = acf(Xt, type = "partial", plot = FALSE)
      inter = ACF(Zt)
      inter[,] = c(NA,pacf$acf)
      pacf.graph = plot(inter)
      grid.arrange(acf.graph,pacf.graph, nrow = 1)
    }else{
      if (type == "RACF"){
        Yt = gts(Xt, name = "Classical ACF")
        acf.graph = plot(ACF(Yt))

        Wt = gts(Xt, name = "Robust ACF")
        racf = robacf(Xt, plot=FALSE)$acf
        inter = ACF(Wt)
        inter[,] = racf
        racf.graph = plot(inter)
        grid.arrange(acf.graph,racf.graph, nrow = 1)
      }else{
        cat("Error")
      }
    }
  }
}

```

```

library(gmwm)

## Loading required package: ggplot2

library(tikzDevice)
library(gridExtra)
library(robcor)

```









