



```

#Código en R para
#trazar la ilustración
#de portada

library(plotly)
axx <- list(
  nticks = 4,
  range = c(-2,2),
  title="",
  showticklabels=FALSE
)
axy <- list(
  nticks = 4,
  range = c(-2,2),
  title="",
  showticklabels=FALSE
)
axz <- list(
  nticks = 4,
  range = c(0,20),
  title="",
  showticklabels=FALSE
)
t <- seq(-2*pi, 15*pi, length.out=800)
dat <- data.frame(x=cos(t)/5, y=sin(t)/5, z=t, xx=cos(t+36*pi/180)/5, yy=sin(t+36*pi/180)/5, zz=t+3)

p <- plot_ly(dat, x = ~x, y = ~y, z = ~z, type = 'scatter3d', mode = 'lines',
  line = list(color = 'rgb(205, 12, 24)', width = 8, dash = ''))
  )%>%
  add_trace(x = ~x, y = ~y, z = ~z,
    line = list(color = 'rgb(200, 120, 200)', width = 3)) %>%
  add_trace(x = ~xx, y = ~yy, z = ~zz,
    line = list(color = 'rgb(205, 12, 24)', width = 8)) %>%
  add_trace(x = ~xx, y = ~yy, z = ~zz,
    line = list(color = 'rgb(200, 120, 200)', width = 3)) %>%
  layout(scene = list(xaxis=axx,yaxis=axy,zaxis=axz), showlegend = FALSE)
p
  
```

