3D ordination diagrams - GIF animation

Make sure to install the library `magick`. To use the function `orglhull`, you need to have the library `geometry` installed, and the function `orglhull` needs to be defined from the link provided in the code.

```
veg.data <- read.delim
('https://raw.githubusercontent.com/zdealveindy/anadat-r/master/data/vltava-spe.txt
', row.names = 1)
env.data <- read.delim
('https://raw.githubusercontent.com/zdealveindy/anadat-r/master/data/vltava-env.txt
')

library (vegan)
library (vegan3d)
library (rgl)
library (magick)

temp.dir <- tempdir ()

DCA <- decorana (veg = log1p (veg.data))

rgl.bg (color = 'white')  # makes the background white
ordirgl (DCA)
movie3d( spin3d(axis = c(0,1,0)), duration=60/5, movie = "ordirgl", fps = 20, dir =
temp.dir)

orglspider (DCA, groups = env.data$GROUP)
movie3d( spin3d(axis = c(0,1,0)), duration=60/5, movie = "orglspider", fps = 20,
dir = temp.dir)

library (geometry)
source
('http://www.davidzeleny.net/anadat-r/doku.php/en:customized_functions:orglhull?do=
export_code&codeblock=1')
orglhull (DCA, groups = env.data$GROUP, col = 'tomato', alpha = 0.5)
movie3d( spin3d(axis = c(0,1,0)), duration=60/5, movie = "orglhull", fps = 20, dir
= temp.dir)

# Gif files are stored in tempdir:
temp.dir
```

From:
https://anadat-r.davidzeleny.net/ - **Analysis of community ecology data in R**

Permanent link:
https://anadat-r.davidzeleny.net/doku.php/en:scripts:ordirgl_animation

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