photobiologyPlants Version 0.0.1
CRY related functions and data

Pedro J. Aphalo

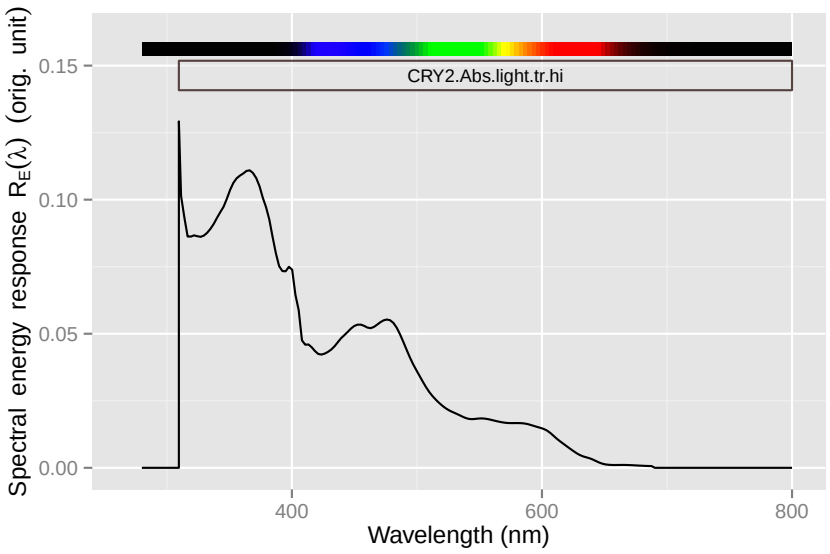
January 22, 2015

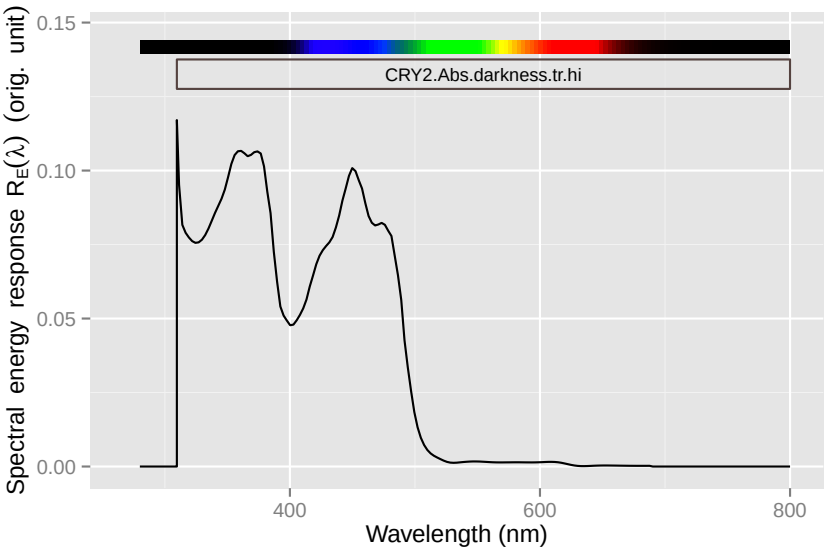
1 Set up

```
library(photobiologyPlants)
library(photobiologygg)
```

2 Plotting as wavebands with `plot`

```
plot(CRY2.Abs(previous = "light"))
plot(CRY2.Abs(previous = "darkness"))
```

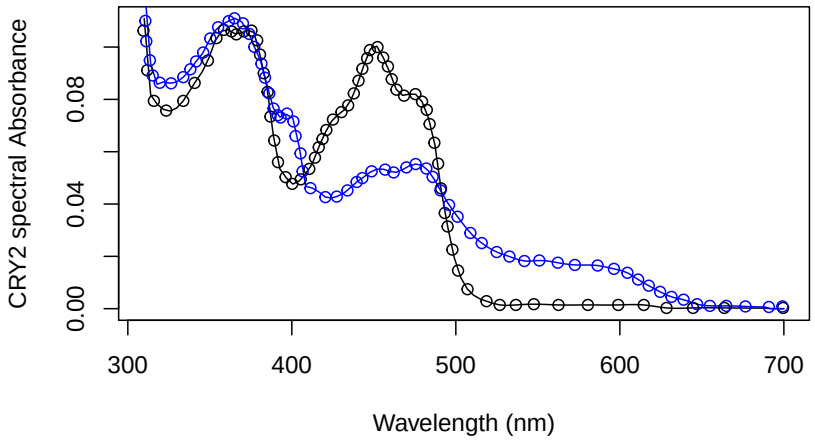




3 Check of interpolation

```
ex7.data <- data.frame(w.length=seq(310, 700, length.out=100),
                       A.dark=numeric(100),
                       A.light=numeric(100))
ex7.data$A.dark <- CRY2_Abs_dark_fun(ex7.data$w.length)
ex7.data$A.light <- CRY2_Abs_light_fun(ex7.data$w.length)

plot(A.dark ~ w.length, xlab="Wavelength (nm)",
     ylab="CRY2 spectral Absorbance",
     type="l", data=ex7.data)
lines(A.light ~ w.length, data=ex7.data, col="blue")
data(cry.data)
points(Absorbance ~ w.length, data=CRY2.dark.raw.data, col="black")
points(Absorbance ~ w.length, data=CRY2.light.raw.data, col="blue")
rm(ex7.data)
```


CRY2 spectral Absorbance
0.00
0.04
0.08
300
400
500
600
700
Wavelength (nm)