photobiologyPlants Version 0.0.1
PHY related functions and data

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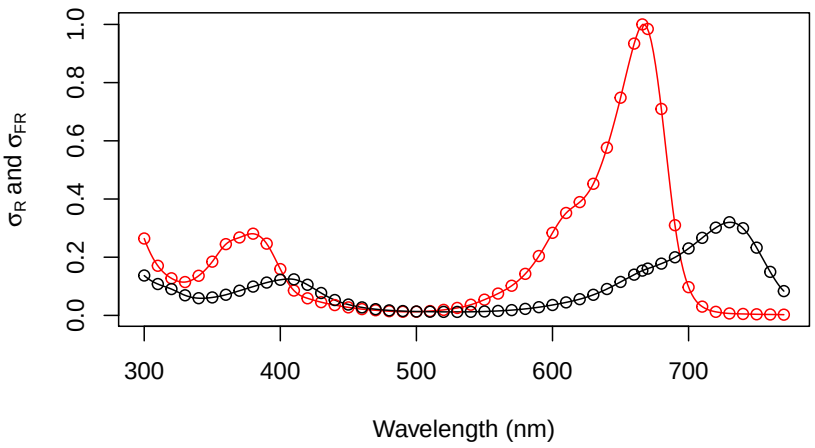
January 18, 2015

```
library(photobiologyPlants)
```

1 Test of interpolation

```
ex7.data <- data.frame(w.length=seq(300, 770, length.out=300))
ex7.data$sigma.r <- Phy_Sigma_R(ex7.data$w.length)
ex7.data$sigma.fr <- Phy_Sigma_FR(ex7.data$w.length)
ex7.data$sigma <- Phy_Sigma(ex7.data$w.length)
plot(I(sigma.r/ max(sigma.r)) ~ w.length, data=ex7.data, type="l", col="red",
     xlab="Wavelength (nm)", ylab=expression(sigma[R]~and~sigma[FR]))
lines(I(sigma.fr/max(sigma.r)) ~ w.length, data=ex7.data, col="black")
data(phytochrome.data)
points(I(Sigma.R/max(Sigma.R)) ~ wavelength, data=phytochrome.data, col="red")
points(I(Sigma.FR/max(Sigma.R)) ~ wavelength, data=phytochrome.data, col="black")
rm(ex7.data)
```


σR and σFR
0.0
0.2
0.4
0.6
0.8
1.0
300
400
500
600
700
Wavelength (nm)