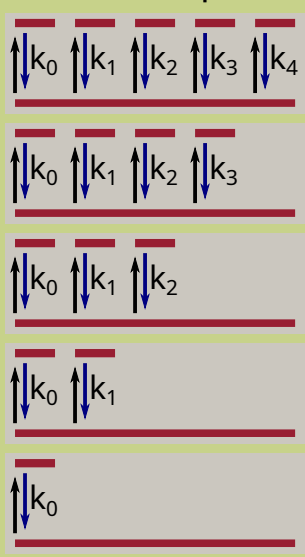
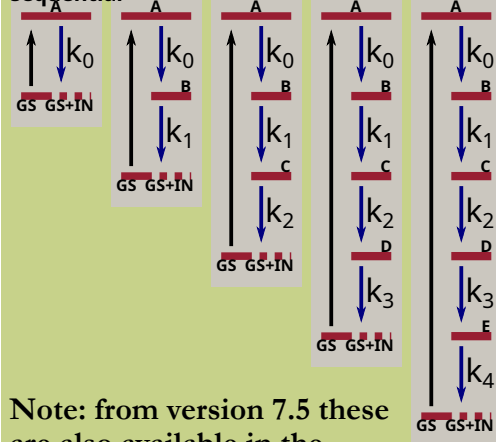


### Build in model "exponential"

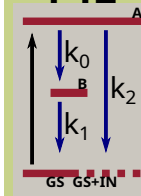


### Build in model "sequential" and "full sequential"

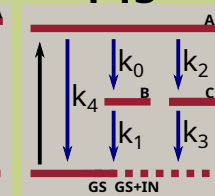


Note: from version 7.5 these are also available in the function file as "exponential" and "consecutive"

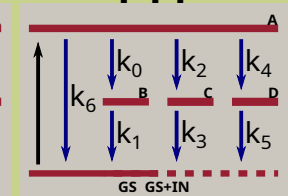
### P12



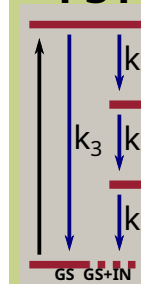
### P13



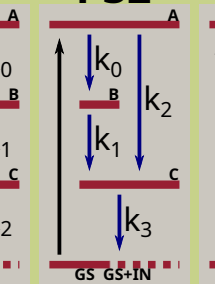
### P14



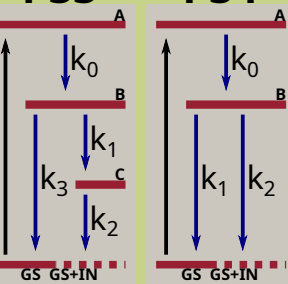
### P31



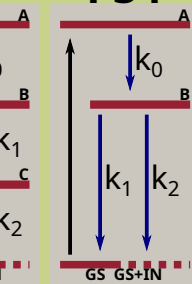
### P32



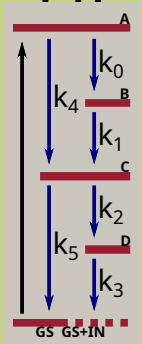
### P33



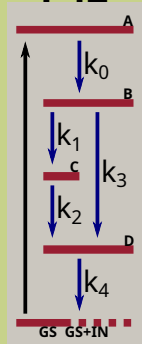
### P34



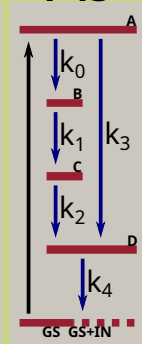
### P41



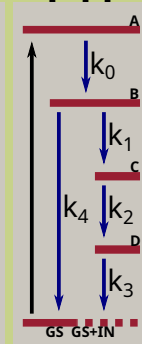
### P42



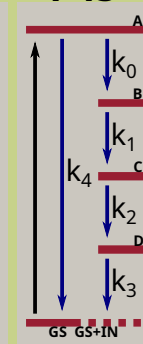
### P43



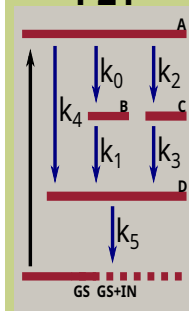
### P44



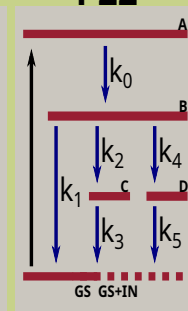
### P45



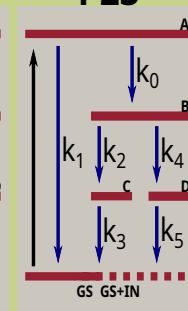
### P21



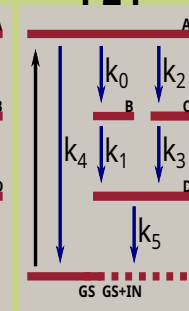
### P22



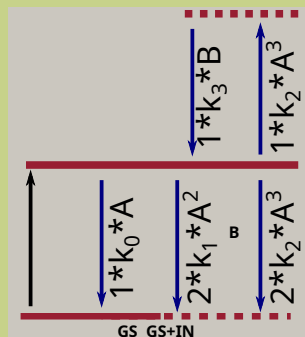
### P23



### P24



## ABC\_model



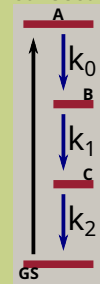
Auger (modelled as spectrum if 'auger' is given as parameter)

Excited state

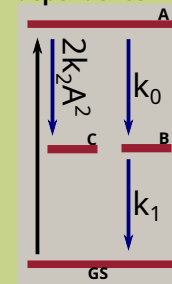
Inf (modelled as different spectrum if 'infinite' is given as parameter)

## Example functions

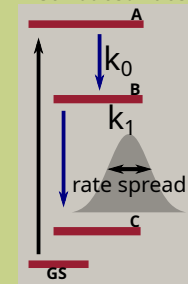
### Manuel consecutive



### Square dependence



### Distributed rate

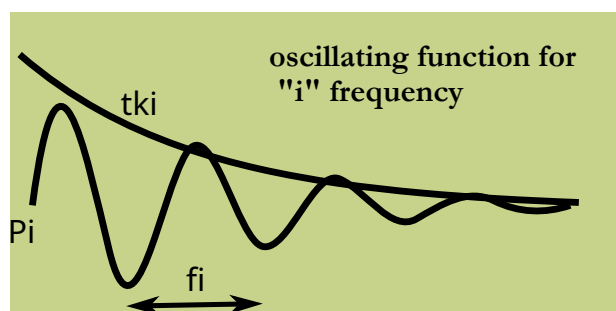


All functions above know the keyword arguments:

"background" = fit an explicit background

"infinite" = the final state is not the same as the initial state

"explicit\_GS" = the negative bleach is calculated explicitly



## "oscil\_comp"

calculates both sin and cos in the mixture  $S \cdot \cos$ ,  $(1-S) \cdot \sin$  must: "f\_i" for each this is the frequency in for 2 pi

can: "tk\_i" decay time

"S\_i" is fraction of cosine vs sin = delay in phase

"P\_i" is a global phase shift

"consec\_oscil" consecutive and oscil\_comp

"manconsec\_oscil" manual consecutive and oscil\_comp