

### **radiative energy transfer**

Transfer of excitation energy by radiative deactivation of a donor molecular entity and reabsorption of the emitted light by an acceptor molecular entity. The probability of transfer is given approximately by:

$$P_{r,t} \propto [A]\chi J$$

where  $J$  is the spectral overlap integral,  $[A]$  is the concentration of the acceptor, and  $\chi$  is the specimen thickness. This type of energy transfer depends on the shape and size of the vessel utilized. Same as trivial energy transfer.

See also *Dexter excitation transfer, energy transfer, Förster excitation transfer*.

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