



$$[P] = [P]_0 e^{-k_1 t}$$

$$[P_1] = [P]_0 (e^{-k_1 t}) k_1 t$$

$$[P_2] = [P]_0 (e^{-k_1 t}) (k_1 t)^2 / 2$$

...

$$[P_n] = [P]_0 (e^{-k_1 t}) (k_1 t)^n / n!$$

Practically

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