

LET'S DO SOME MATH

EtS = ETP

Steady states &

michaelis menten

IF Vo = VAAN , [E] = [ES]



Khan Academy

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$$Equation \ 1: rac{1}{V_o} = rac{K_m}{V_{max}*[S]} + rac{1}{V_{max}}$$

$$Equation~2:E+S \stackrel{\mathrm{k}_1}{\underset{\mathrm{k}_{-1}}{\Longrightarrow}} ES \stackrel{\mathrm{k}_2}{ o} E+P$$

$$Equation \ 3: K_m = rac{k_{-1} + k_2}{k_1}$$