



E = enzyme
 S = substrate(s)
 P = product(s)
 X = modifier

K_S = substrate dissociation constant
 K_{Sp} = dissociation constant of the specific component
 K_{Ca} = dissociation constant of the catalytic component
 $K_{Ca}/K_{Sp} = \alpha K_X/K_X = \alpha$ = reciprocal allosteric coupling constant
 β = factor by which the modifier affects the catalytic constant k_2