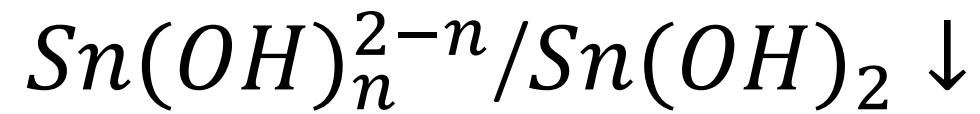


# DLTES



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QA III Alejandro Baeza 2020-2

FQ UNAM

$i$	$\log K_{M(OH)_i}^{iOH}$
1	12
2	21
3	25

**pKs = 26**



$i$	$pKa_i = 14 - (\log K_{M(OH)_j}^{jOH} - \log K_{M(OH)_i}^{iOH})$
1	2
2	5
3	10

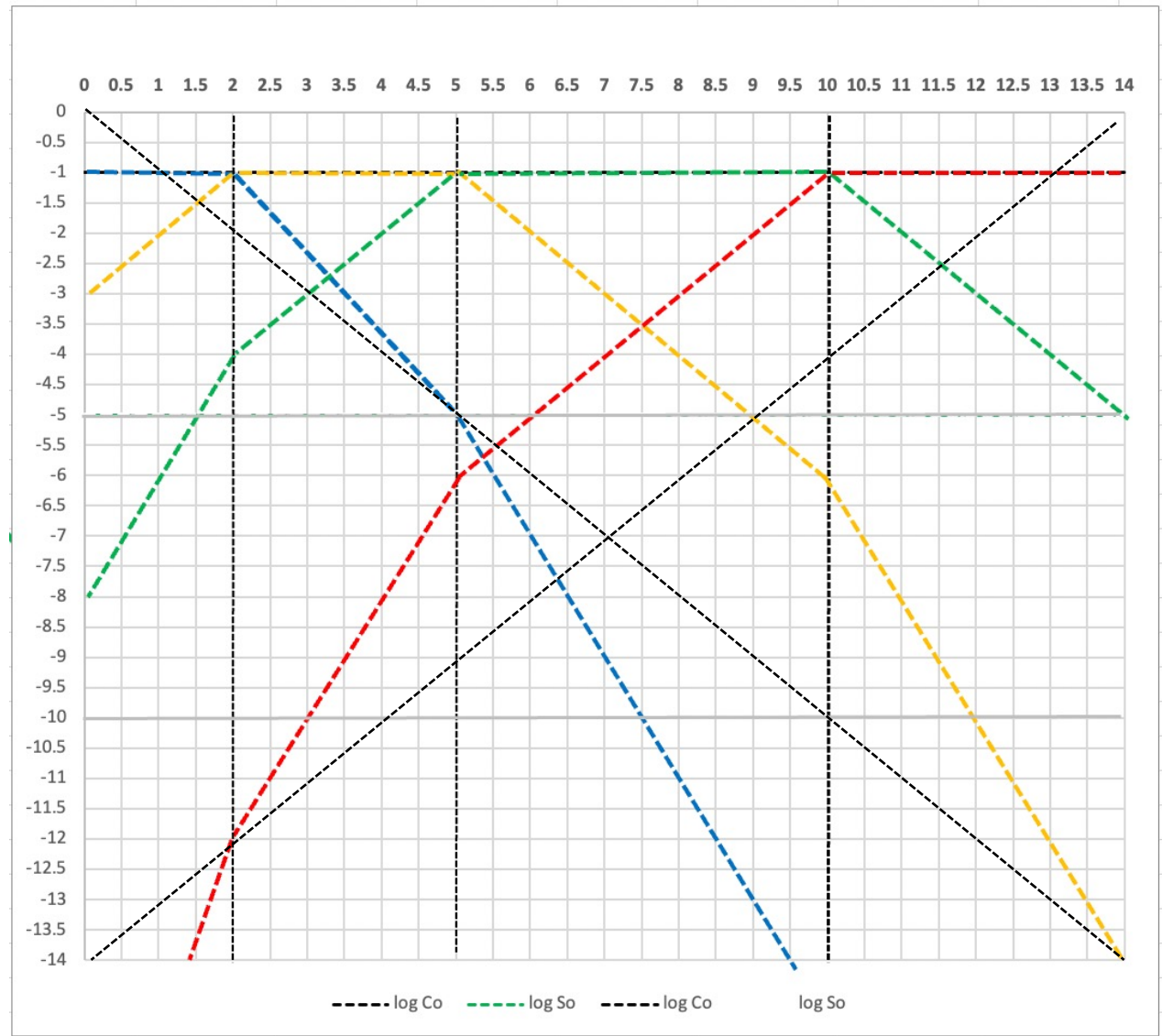
DLC

$\log [Sn^{2+}]$

$\log [Sn(OH)^+]$

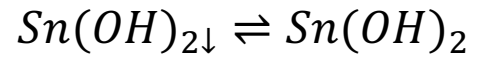
$\log [Sn(OH)_2]$

$\log [Sn(OH)_3^-]$



DLTES:

Solubilidad intrínseca:



$$S_0 = (K_S)(K_{\text{Sn}(\text{OH})_2}^{2\text{OH}}) = 10^{21-26} = 10^{-5}$$

$\log [\text{Sn}^{2+}]$

$\log [\text{Sn}(\text{OH})^+]$

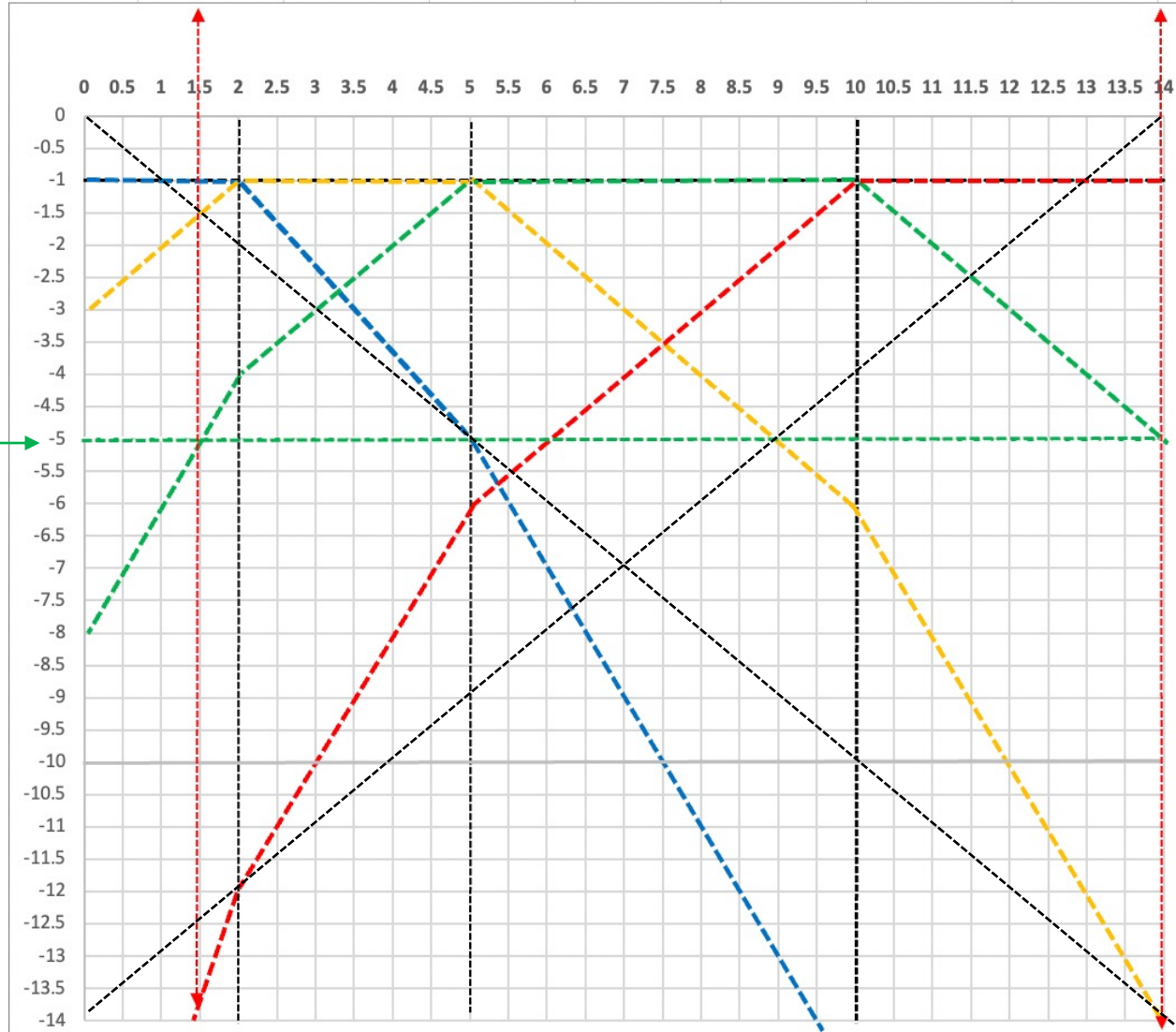
$\log [\text{Sn}(\text{OH})_2]$

$\log [\text{Sn}(\text{OH})_3^-]$

$\log S_0$

*homo*  $\rightleftharpoons$  *hetero*

*hetero*  $\rightleftharpoons$  *homo*

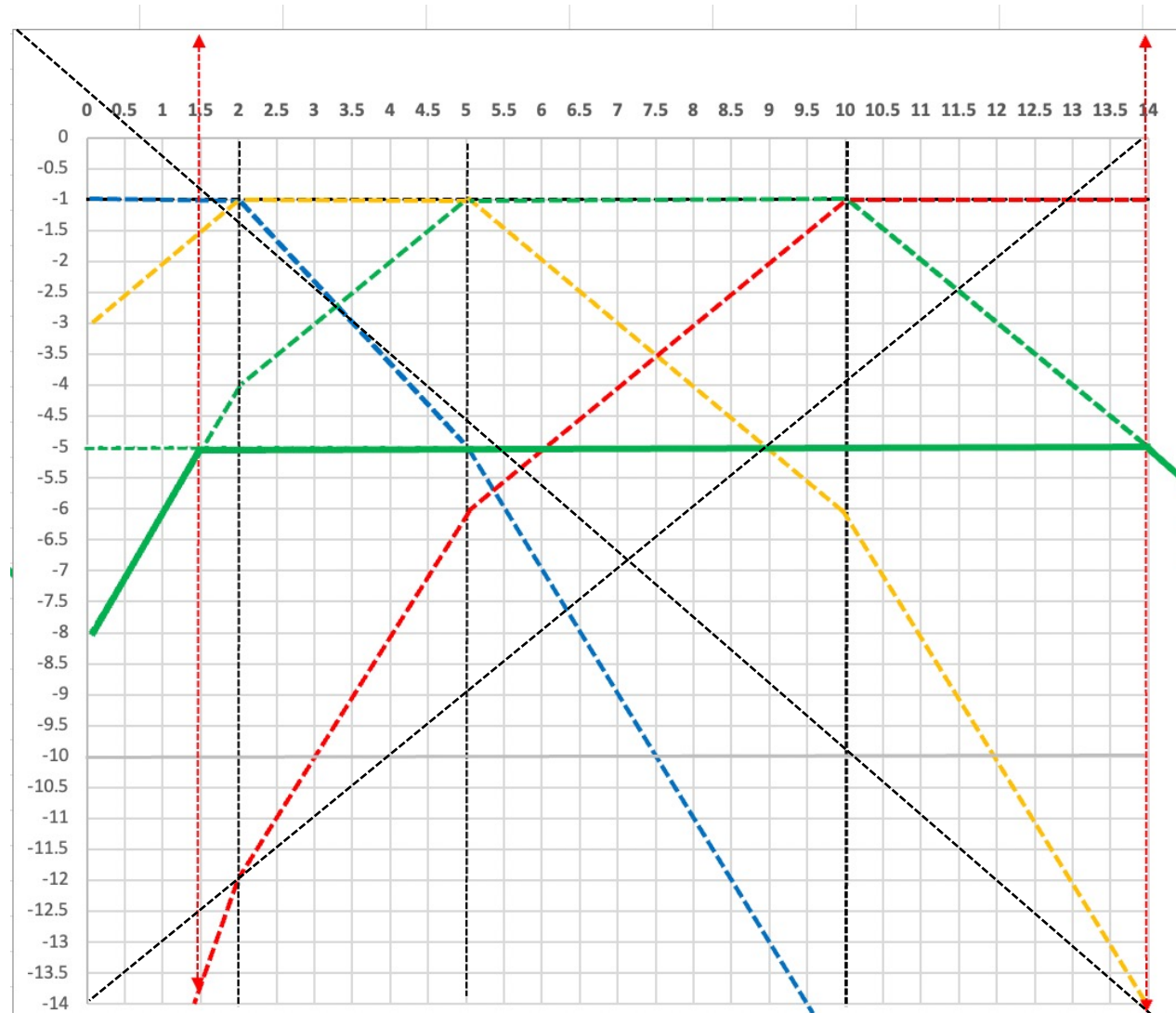


$\log [\text{Sn}^{2+}]$

$\log [\text{Sn}(\text{OH})^+]$

$\log [\text{Sn}(\text{OH})_2]$  →

$\log [\text{Sn}(\text{OH})_3^-]$

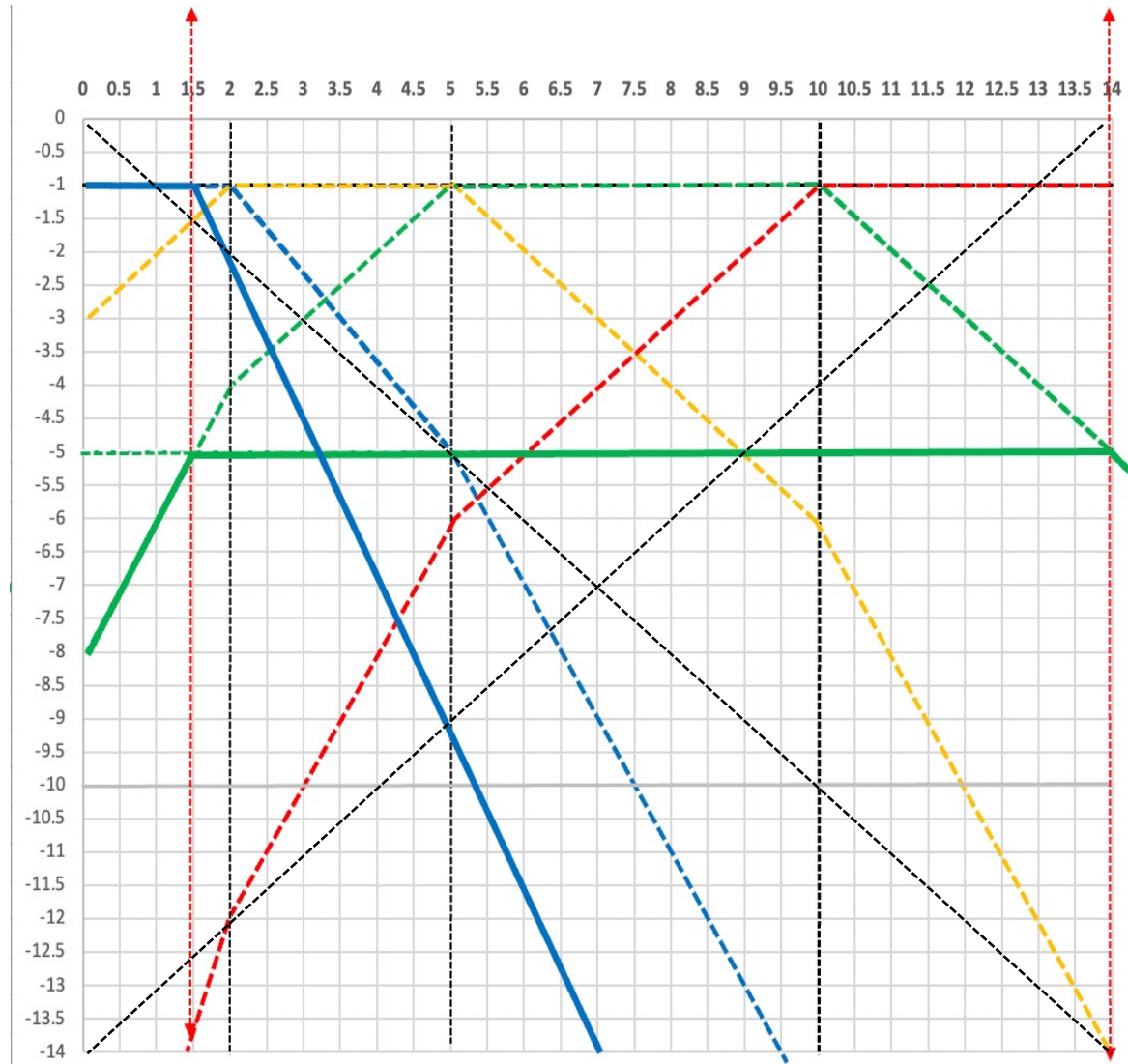


$\log [\text{Sn}^{2+}]$  →

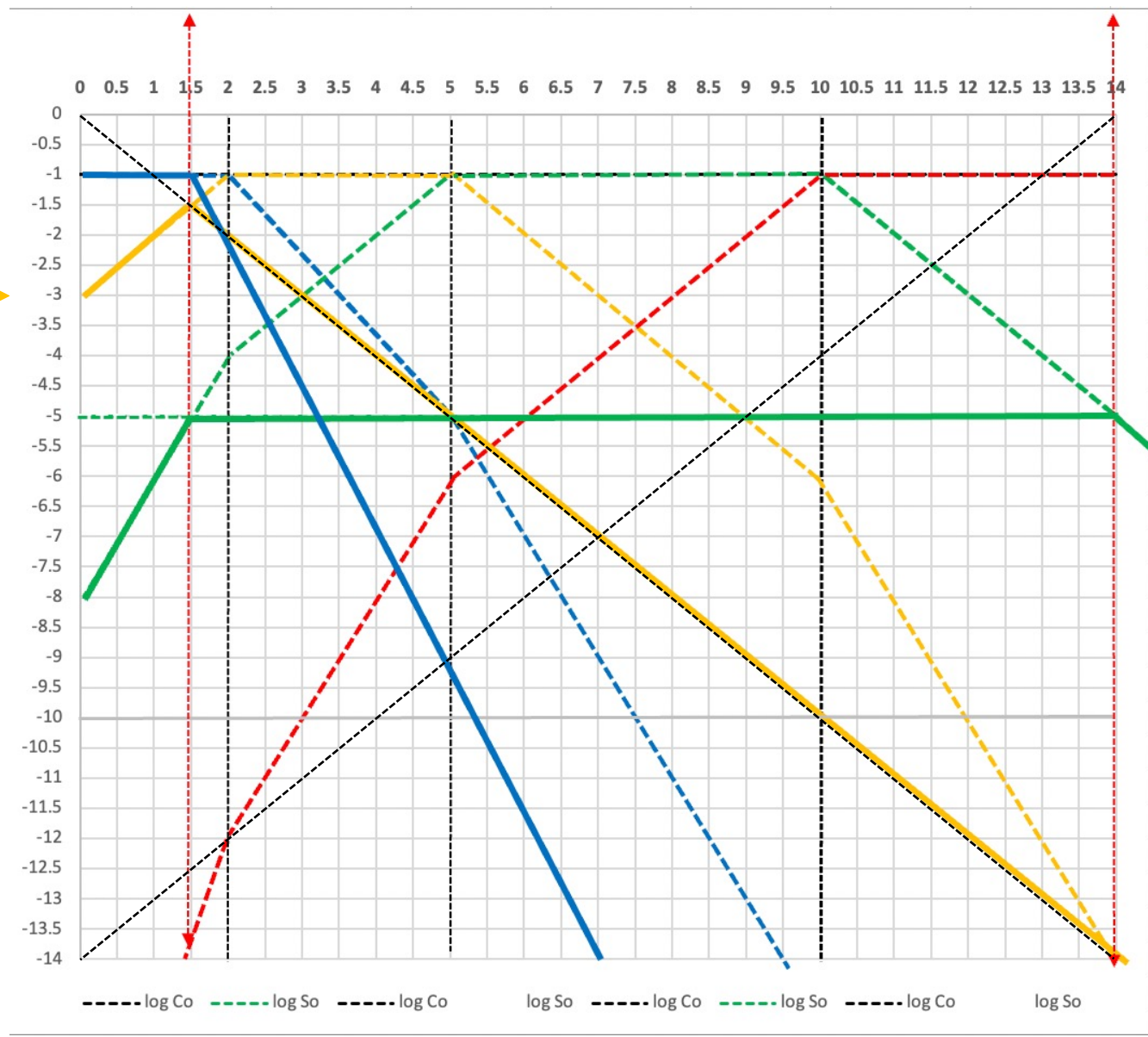
$\log [\text{Sn}(\text{OH})^+]$

$\log [\text{Sn}(\text{OH})_2]$

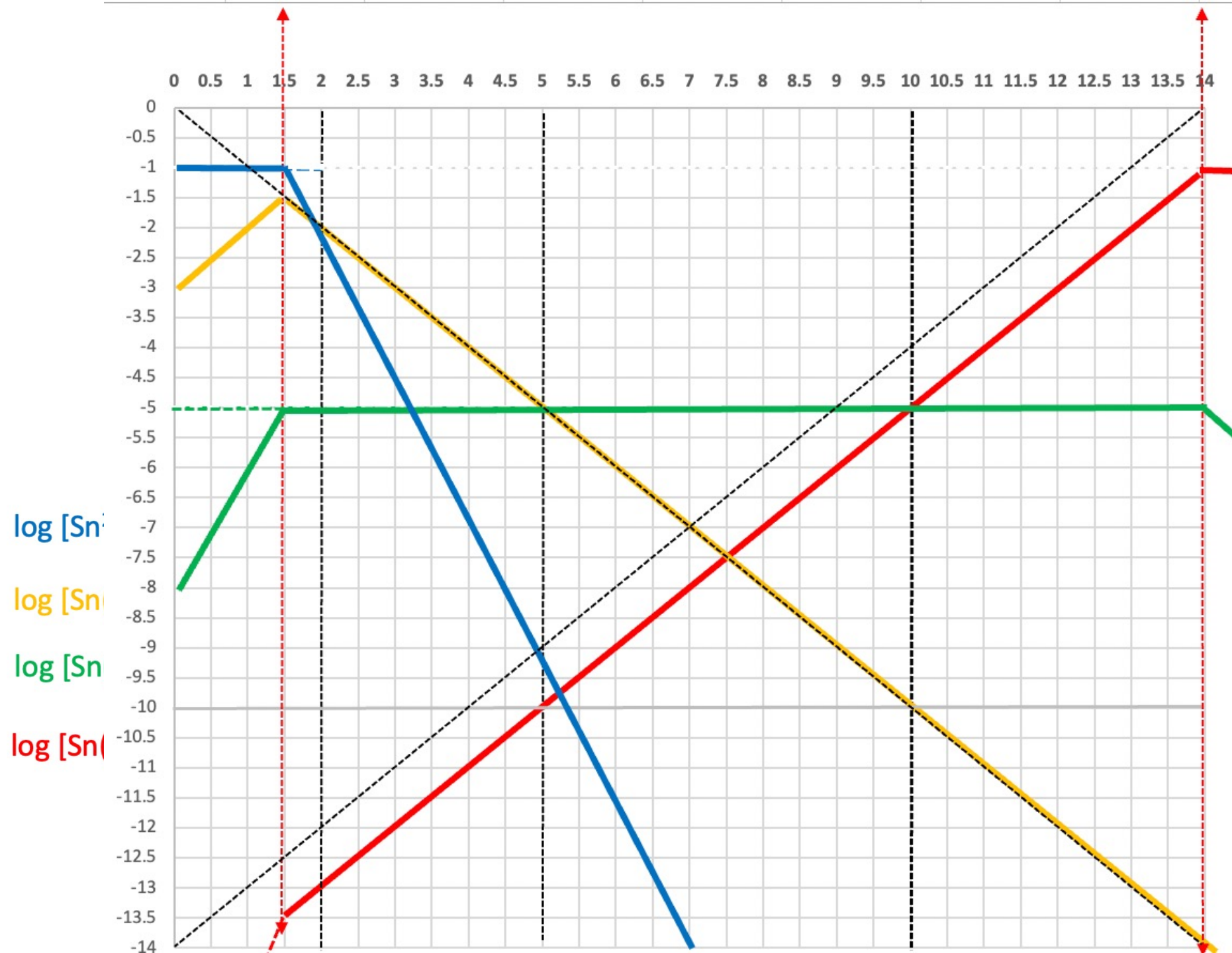
$\log [\text{Sn}(\text{OH})_3^-]$



$\log [\text{Sn}^{2+}]$   
 $\log [\text{Sn}(\text{OH})^+]$   
 $\log [\text{Sn}(\text{OH})_2]$   
 $\log [\text{Sn}(\text{OH})_3^-]$







$\log [\text{Sn}^{2+}]$

$\log [\text{Sn}(\text{OH})^+]$

$\log [\text{Sn}(\text{OH})_2]$

$\log [\text{Sn}(\text{OH})_3^-]$

