

(18.8) With Figure 18.9 one can estimate the stability constants (β_1 - β_3) for the lutetium acetylacetonate complexes. Make this estimation using Figure 18.9. A simplified approach to estimate β_n is the use of the approximate relations $k_n = \beta_n / \beta_{n-1} = 1 / (Aa)_{n=n-0.5}$ and $n = z - d(\log D) / d(\log(Aa))$; for Lu^{3+} $n < 4$, but $z = 3$.

The solution is graphical and not shown here.