

The histogram displays the frequency of iterations for various values of α . The x-axis is logarithmic, spanning from 10^{-8} to 10^{-4} . The y-axis represents the frequency of occurrences. The data is represented by overlapping bars in six colors: pink, cyan, blue, green, orange, and red. The pink distribution is the most prominent, peaking around 10^{-7} . The cyan distribution peaks slightly to the left, around $10^{-7.5}$. The blue distribution peaks around $10^{-5.5}$. The green distribution peaks around $10^{-6.5}$. The orange distribution peaks around $10^{-4.5}$. The red distribution is the least frequent, peaking around $10^{-7.5}$.

