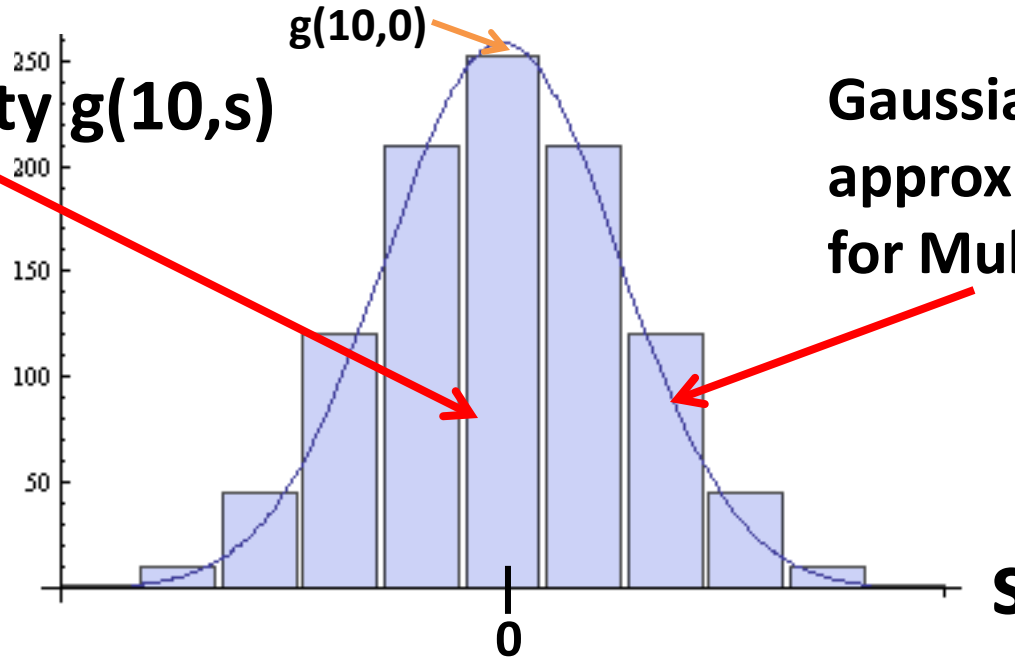


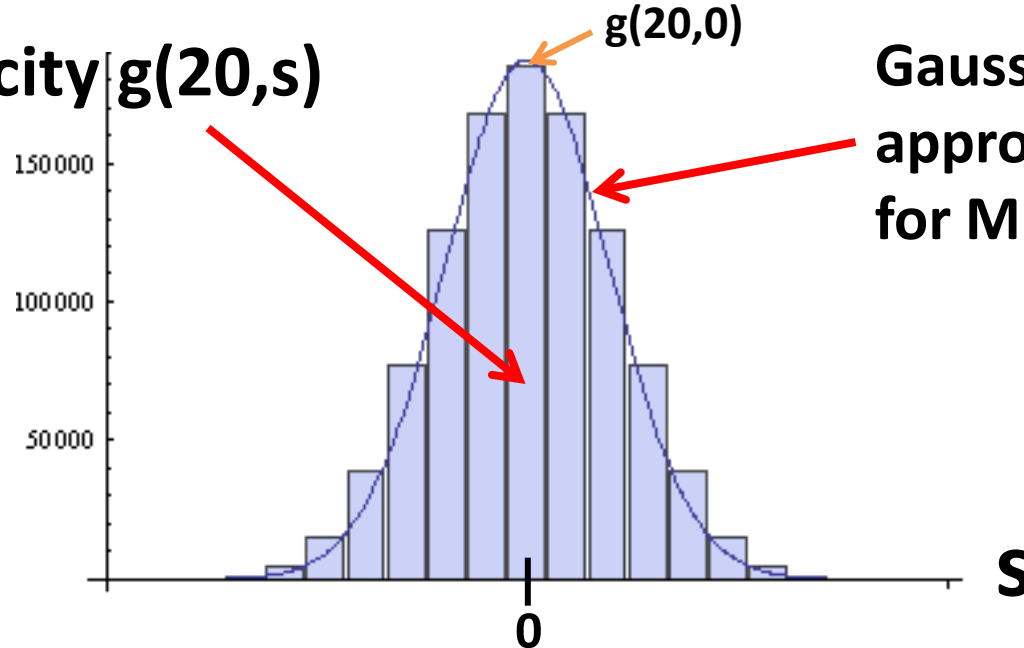
**Multiplicity  $g(10,s)$**



**Gaussian approximation for Multiplicity**

**The Gaussian approximation for  $g(N,s)$  is only valid for  $N \gg 1$  and  $|s| \ll N$**

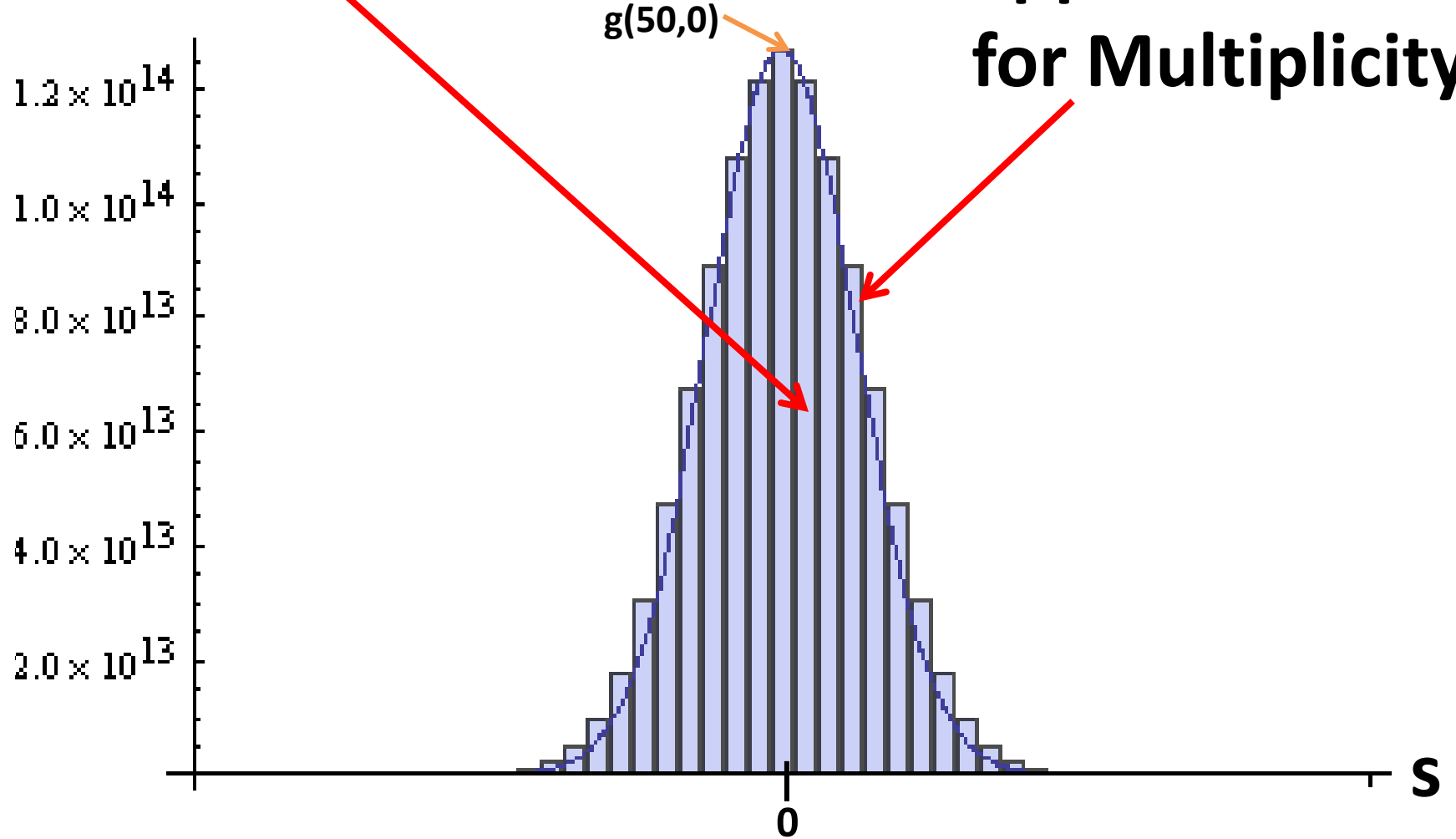
**Multiplicity  $g(20,s)$**



**Gaussian approximation for Multiplicity**

# Multiplicity $g(50,s)$

# Gaussian approximation for Multiplicity



# The Multiplicity Function Narrows With Increasing N

The Gaussian approximation for  $g(N,s)$  is only valid for  $N \gg 1$  and  $|s| \ll N$

