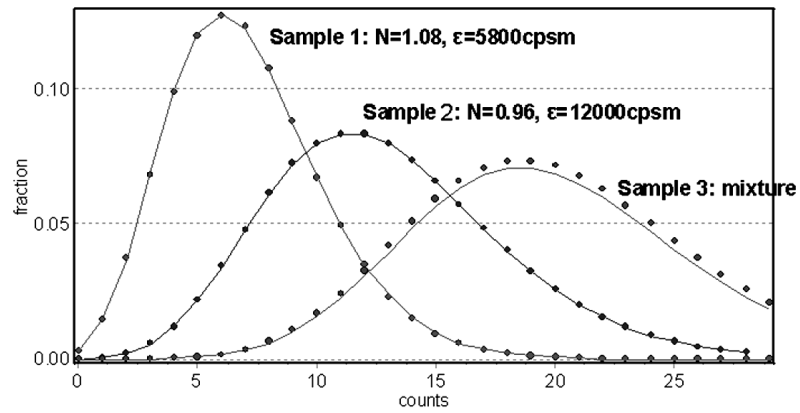


Page 6. Figure 2. Left panel: Changes in position of the autocorrelation function as the value of the diffusion constant is decreased. The curve at the left is for fluorescein, the next curve is for GFP and the last curve is for a dimer of GFP molecules. Right panel: change in shape of the photon counting histogram as the brightness of the molecule is increased



Page 6. Figure 3. The convolution effect of adding two molecular species with different brightness. The mixture is not the sum of the two photon counting histograms but rather the convolution of the two distributions. N is the number of molecules in the excitation volume and ϵ is the brightness of the molecules in units of counts/s per molecule.