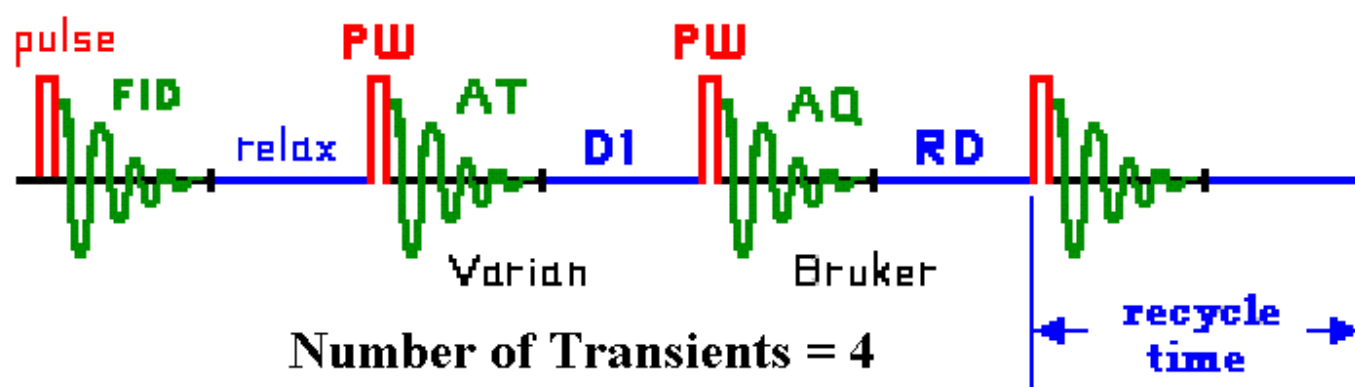
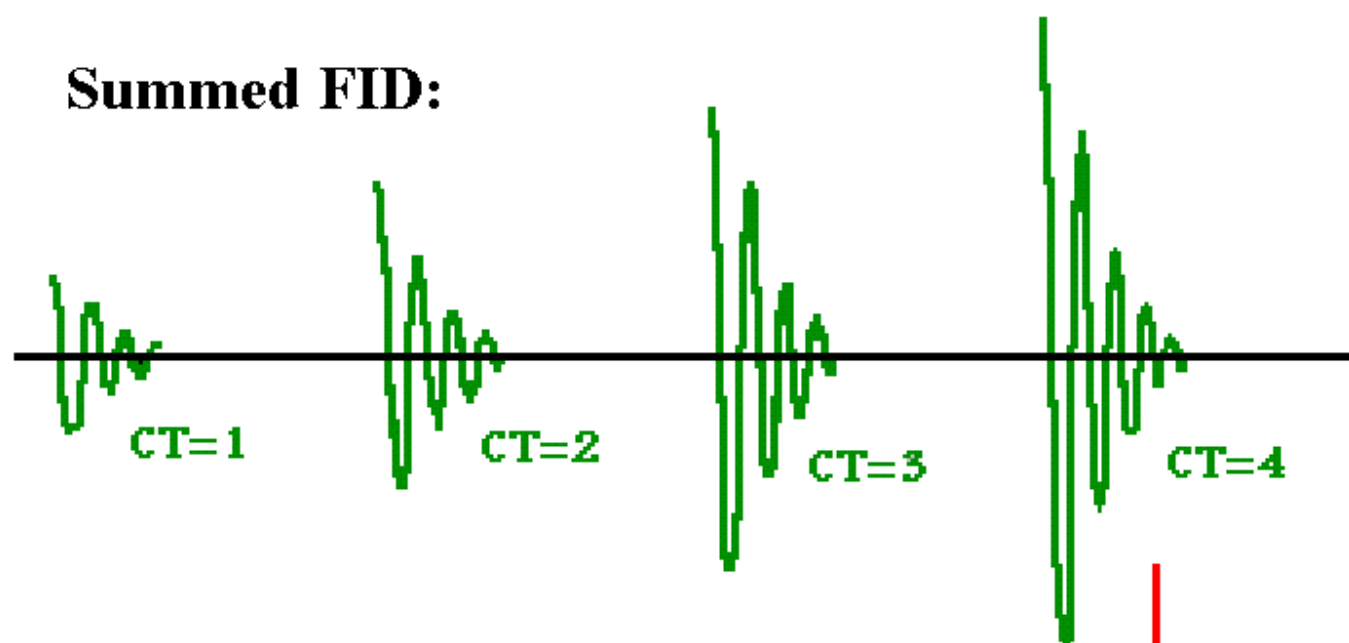


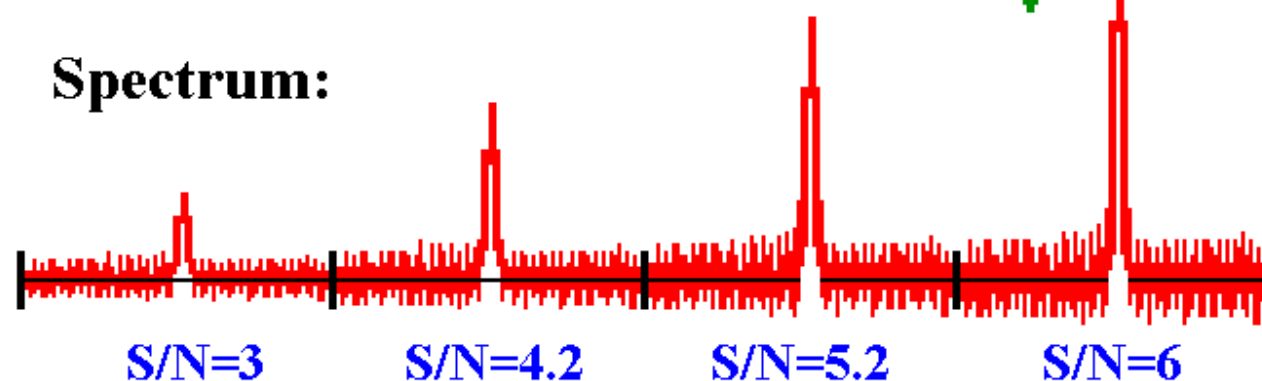
# Signal Averaging



## Summed FID:



## Spectrum:



The process of pulse excitation and recording the FID can be repeated many times, each time adding the FID data to a sum stored in the computer. The signal intensity increases in direct proportion to the number of repeats or "transients", but the noise increases only as the square root.