Reconvolution

Reconvolution is used in time domain data analysis for removal of broadening effects due to instrumental resolution. In contrast to deconvolution, data processing using reconvolution techniques does not aim at retrieving the raw data as seen by an ideal instrument, but does usually compare artificial decays (simulated on the base of a model) convolved with the measured IRF.

Reconvolution is used in PicoQuant software packages (mainly FluoFit and SymPhoTime) for compensating IRF effects.

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