

## 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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PicoQuant GmbH  
Rudower Chaussee 29 (IGZ)  
12489 Berlin  
Germany

P +49-(0)30-1208820-89  
F +49-(0)30-1208820-90  
info@picoquant.com  
www.picoquant.com