Subject: Re: gaussian convolution
Posted by wlandsman on Wed, 27 Sep 2017 17:15:43 GMT

On Wednesday, September 27, 2017 at 6:37:23 AM UTC-4, KS1989 wrote:
> Dear Wayne,
>
> Could you please explain the mathematics (or refer to some paper) behind convolving with a Gaussian of sqrt(b^2-a^2) to change the resolution from a Angstrom to b Angstrom?

One place is in the "proof using convolutions" section of

 https://en.wikipedia.org/wiki/Sum_of_normally_distributed_ra ndom_variables

--Wayne