Subject: Re: plot dirac delta function?
Posted by James Kuyper on Mon, 24 Jul 2006 02:07:52 GMT
View Forum Message <> Reply to Message

swingnut@gmail.com wrote:
> FYI, while the definition can be approached a number of equivalent
> ways, the value of the Dirac IS "well-defined" at delta(x).
> Technically, it's "well-defined" at the value such that its argument is
> zero (which here is x=0).
>
> The value is indeed infinity. At least, that's how it's used in
> physics.

No, it is not. I'm very well versed in the use of the dirac delta function in physics, and the value of delta(0) is never used in any meaningful sense. Any equation which attempts to make use of the value at zero is meaningless. The dirac delta function only becomes meaningful after you've integrated over it.