

Re: natural log of a summation

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- *From:* israel@xxxxxxxxxxx (Robert Israel)
 - *Date:* 1 Apr 2005 19:06:36 GMT
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In article <22993909.1112360651449.JavaMail.jakarta@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, Adam Hartshorne <adam@xxxxxxxxxxxxxxxxxxxx> wrote:
> Maybe I should ask a slightly different question. Given $\ln(\text{Sum}(f(x)))$,
> where $f(x)$ is a basically a gaussian, i.e. contain an exp, is there any
> way of rearranging so that the \ln goes inside the Summation?

There is no nice general formula for the logarithm of a sum.
Of course for certain special sums you can do something (e.g. perhaps you can make your sum into a product).

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- *References:*
 - ◆ [natural log of a summation](#)
◇ *From:* Adam Hartshorne
 - ◆ [Re: natural log of a summation](#)
◇ *From:* Adam Hartshorne
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