Subject: Fast way to calculate sum of discrete poisson distribution
Posted by bk1 on Sat, 24 Feb 2007 21:10:41 GMT
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I have been struggeling with this for a while. Basically I need to
calculate the quadratic sum of the discrete poisson distribution:

k = INDGEN(8)

sum = TOTAL(p^k / FACTORIAL(k) * EXP(-p) * k^2)

This workes fine for a scalar p. Is there a way to calculate the
quadratic sum for every element of an array p without using a loop?
Thanks for your help!

Bernd