
Subject: Re: Sum of elements in an array

Posted by [steinhh](#) on Thu, 09 Jun 1994 12:17:10 GMT

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In article <2t6tb9\$ftb@due.uninett.no>, ragnar@kvark.fi.uib.no (Ragnar Aas) writes:

|> I'm working on a project where I need to sum the result of many IF-statements.

|> In order to make this operation faster, I want to vectorize it. The way I

|> want it is :

|>

|> sum=(array_1.element EQ 1)

|>

|> with sum a scalar, and array_1 an array. (BIG surprise!)

|> In other words : If array_1.element equals 1, then add 1 to sum.

|> How do I go about to solve this?

|>

I think sum = total(array_1 eq 1) does the trick.

In general, a logical operation on an array results in an array of (BYTE) logical values, with 0 for false, and 1 for true.

TOTAL() adds up to a float, so no overflow.

|> Thanx in advance.

|>

|> Ragnar Aas

Stein Vidar
