Subject: Re: Another "IDL way to do this" question
Posted by Jeremy Bailin on Wed, 09 Nov 2011 18:26:03 GMT
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On 11/9/11 11:48 AM, Brian Wolven wrote:
> Aha! That was a routine I'd used in code prior to the 1998-1999 time frame when INTERPOL
was modified, so that is good to know.
>
> Thank *you*! (and David...)

Since the creation of VALUE_LOCATE, it should be much faster than a
hand-coded binary search... in my code (which I'm working on modifying
for the general case) I use the following two lines to efficiently get
the fractional index:

u_in_x_low = value_locate(x, u)
xfrac = (u - u[u_in_x_low]) / (x[u_in_x_low+1] - x[u_in_x_low])

(the fractional index is then u_in_x_low+xfrac)

-Jeremy.