Hi Mark,

I wrote the LL to UTM transformation code (and the reverse) using the
methods outlined in the following reference:

; REFERENCE:
; J.P. Snyder, "Map projections - A working manual',1987,
; U.S.G.S. Professional Paper 1395, Supt. of Docs No: I 19.16:1395,
; U.S. Govt Printing Office,Washington, DC 20402.

I don't have that code handy here, but will send it to you.

Ben

Mark Chan wrote:
>
> Ben,
>
> Could you point me to the site where I may find out more about the
> conversion porgram that you mention?
>
> As per Martin Trobec's posted reply, there seems to be a program one can
> buy. However, I will like to see if the conversion program you mention will
> do the job or not.
>
> Thanks,
> MC
>
> "Ben Tupper" <btupper@bigelow.org> wrote in message
> news:3AC09909.5241880A@bigelow.org...
>> Hi Mark,
>>
>> I have not heard of such a system of conversions,... but, it's not clear
>> to me what the 'land' coordinates of points A, B and C mean. There is
>> code to convert between Lon/Lat in decimal degrees to UTM coords in
>> meters. From the UTM coordinate system you can then get relative
>> range/azimuth values between the points. You might even be able to
>> translate the UTM coords to the Canadian equivalent of the US State
>> Plane coordinate systems.
>>
>> Perhaps you could provide more details about these coordinate systems.
>>
>> Ben
>>

>> Mark Chan wrote:
>>>
>>> GIVEN:
>>> Point A @ 6-1-75-6 W5M (Take this to be the origin. Some where in
> Canada).
>>> Point B @ 1-1-75-6 W5M
>>> Point C @ 16-1-75-6 W5M
>>>
>>> QUESTIONS TO BE ANSWERED:
>>> What is the distance between A and B?
>>> Ans: B is 5 miles east of A.
>>>
>>> What is the distance between A and C?
>>> Ans: sqrt(5^2+5^2). C is NE of A.
>>>
>>> Etc. calculation like these.
>>>
>>> QUESTION FOR IDL EXPERTS:
>>> Is there a public domain IDL routine to do the conversion between the
> land
>>> system above to local coordinate?
>>>
>>> Thanks in advance,
>>> Mark Chan
>>
>> --
>> Ben Tupper
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