
Subject: What is this error message about?

Posted by [Haje Korth](#) on Mon, 10 May 2004 14:10:15 GMT

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Hi all,

I have been doing some DLM programming, and I get the error message "%
Temporary variables are still checked out - cleaning up..." whenever I use
the functions IDL_CvtDbl or IDL_BasicTypeConversion in my C routine below.
While the error does not seem to affect execution of the routines, the
message tells me that the programming is not clean. The question is whether
I am doing something wrong or whether this is a bug in IDL? The error only
occurs if the type is actually converted. If input array is double, the
message does not show. Your input is appreciated.

Thanks,

Haje

```
void IDL_CDECL geopack_igrf_geo(int argc, IDL_VPTR argv[], char *argk)
{
int iyear, iday;
double *pr, *pt, *pp, *pbr, *pbt, *pbp;
IDL_VPTR r, t, p, br, bt, bp;
IDL_MEMINT r_nEl, t_nEl, p_nEl;
IDL_ARRAY_DIM dim;
IDL_ENSURE_SCALAR(argv[0]);
IDL_ENSURE_SCALAR(argv[1]);
IDL_EXCLUDE_EXPR(argv[5]);
IDL_EXCLUDE_EXPR(argv[6]);
IDL_EXCLUDE_EXPR(argv[7]);
iyear=IDL_LongScalar(argv[0]);
iday=IDL_LongScalar(argv[1]);
r=IDL_BasicTypeConversion(1,&argv[2],IDL_TYP_DOUBLE);
IDL_VarGetData(r,&r_nEl,(char **) &pr, FALSE);
t=IDL_BasicTypeConversion(1,&argv[3],IDL_TYP_DOUBLE);
IDL_VarGetData(t,&t_nEl,(char **) &pt, TRUE);
p=IDL_BasicTypeConversion(1,&argv[4],IDL_TYP_DOUBLE);
IDL_VarGetData(p,&p_nEl,(char **) &pp, TRUE);
IDL_StoreScalarZero(argv[5], IDL_TYP_DOUBLE);
IDL_StoreScalarZero(argv[6], IDL_TYP_DOUBLE);
IDL_StoreScalarZero(argv[7], IDL_TYP_DOUBLE);
dim[0]=r_nEl;
pbr=(double *) IDL_MakeTempArray(IDL_TYP_DOUBLE,
1, dim, IDL_ARR_INI_ZERO, &br);
pbt=(double *) IDL_MakeTempArray(IDL_TYP_DOUBLE,
1, dim, IDL_ARR_INI_ZERO, &bt);
pbp=(double *) IDL_MakeTempArray(IDL_TYP_DOUBLE,
1, dim, IDL_ARR_INI_ZERO, &bp);
IGRF_GEO_F(&iyear, &iday, &r_nEl, pr, pt, pp, pbr, pbt, pbp);
```

```
IDL_VarCopy(br,argv[5]);  
IDL_VarCopy(bt,argv[6]);  
IDL_VarCopy(bp,argv[7]);  
}
```
