
Subject: Problems with array elements as parameter in c++ function used via
call_external

Posted by

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Hi!

I have run into a strange problem when using a c++ (compiled as extern
"C") dll. The problem rises when I'm calling a method to an object
I've created. When testing the parameters are in a valid range th c-
program throughs an error.

The calling in IDL looks like:

```
res = CALL_EXTERNAL('C:\Workspace\libmydll.dll', 'GraphCut'$  
  , edge_values ,T_Weights, no_of_elem, flow, labels, edges,  
  no_of_nodes, no_of_edges, $  
  VALUE=[0,0,1,0,0,0,1,1], /CDECL)
```

The c++ calling looks like:

```
g -> add_edge(edges[0], edges[1],edges[2],edges[3]);
```

```
*flow = edges[0];
```

and the error occurs somewhere at:

```
template <typename captype, typename tcaptype, typename flowtype>  
  inline void Graph<captype,tcaptype,flowtype>::add_edge(node_id _i,  
  node_id _j, captype cap, captype rev_cap)  
{  
  assert(_i >= 0 && _i < node_num); //<-----This line  
  assert(_j >= 0 && _j < node_num); //<-----Or this line  
  ...}
```

The strange thing is that flow that is given a value from the array
holds a value that is valid and if I send the values one-by-one by
value it works fine.

Regards, Andreas Bjärkmar
