Subject: Problems with array elements as parameter in c++ function used via call_external
Posted by on Thu, 22 Jan 2009 08:54:44 GMT
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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