

NemoMath - Support #1618

Compile Error when trying to initialize RealVector from value list

09/09/2013 05:27 PM - D. Seidel

Status:	Rejected	Start date:	09/09/2013
Priority:	Urgent	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	NemoMath 0.4		

Description

I am stuck at trying to initialize a RealVector directly with values (this is in in the FlexIRobConfig.h context, therefore this is mandatory).

I attach a minimalistic example producing the compile error, which I am not able to fix by myself.

```
$ g++ -std=c++0x -o test.o test.cpp
```

```
test.cpp: In function 'int main()':
```

```
test.cpp:4:92: error: could not convert '{0.0, 2.0e+1, 0.0, -6.5e+1, 0.0, 9.0e+1, 0.0}' from '<brace-enclosed initializer list>' to 'const nemo::MathVector<double>'
```

```
test.cpp:
```

```
#include "/vol/toolkit/nightly/x86_64/successful/include/NemoMath0.4/nemo/Vector.h"
```

```
int main() {  
    static const nemo::MathVector<double> home_values = {0.0, 20.0, 0.0, -65.0, 0.0, 90.0, 0.0};  
    return 0;  
}
```

g++ is the standard version deployed with netboot.

```
$ g++ --version
```

```
g++ (Ubuntu/Linaro 4.6.3-1ubuntu5) 4.6.3
```

History

#1 - 09/09/2013 06:38 PM - C. Emmerich

- Priority changed from Normal to Urgent

#2 - 09/09/2013 07:31 PM - Anonymous

- Status changed from New to Rejected

- Assignee set to Anonymous

- Target version set to NemoMath 0.4

This is probably a misconfiguration of your project. When using nemomath with c++0x features, nemomath will export the necessary compiler flags in its variable `$(NEMOMATH_DEFINITIONS)`, which is `-std=c++0x -DNEMO_HAS_CPP0x(!)`. You have to use these definitions in your downstream project (`add_definitions($(NEMOMATH_DEFINITIONS))`).

In other words, in your example

```
g++ -std=c++0x -DNEMO_HAS_CPP0x -o test test.cpp && ./test
```

will do the trick.

Files

test.cpp

205 Bytes

09/09/2013

D. Seidel