

U++ - Bug #1426

GCC 5.3 when `-std=c++11` dosen't see `isnan` `isinf` functions

04/23/2016 01:18 PM - Zbigniew Rebacz

Status:	Approved	Start date:	04/23/2016
Priority:	Urgent	Due date:	
Assignee:		% Done:	0%
Category:	Core	Estimated time:	0.00 hour
Target version:	Release 2017.1	Spent time:	0.00 hour

Description

Tested with Kubuntu 16.04 and GCC 5.3. In default mode everything works fine.

It seems that we have got compilation issue:

```
In file included from /home/klugier/upp/uppsrc/Core/Core.h:246:0,
    from /home/klugier/upp/uppsrc/Draw/Draw.h:6,
    from /home/klugier/upp/uppsrc/RichText/RichText.h:4,
    from /home/klugier/upp/uppsrc/CtrlCore/CtrlCore.h:4,
    from /home/klugier/upp/uppsrc/CtrlLib/CtrlLib.h:4,
    from /home/klugier/upp/uppsrc/CtrlLib/CtrlLib.icpp:1:
/home/klugier/upp/uppsrc/Core/Defs.h: In function 'bool Upp::IsNaN(double)':
/home/klugier/upp/uppsrc/Core/Defs.h:344:52: error: 'isnan' was not declared in this scope
inline bool IsNaN(double d)    { return isnan(d); }
                                ^
```

/home/klugier/upp/uppsrc/Core/Defs.h:344:52: note: suggested alternative:

```
In file included from /usr/include/c++/5/random:38:0,
    from /usr/include/c++/5/bits/stl_algo.h:66,
    from /usr/include/c++/5/algorithm:62,
    from /home/klugier/upp/uppsrc/Core/Core.h:219,
    from /home/klugier/upp/uppsrc/Draw/Draw.h:6,
    from /home/klugier/upp/uppsrc/RichText/RichText.h:4,
    from /home/klugier/upp/uppsrc/CtrlCore/CtrlCore.h:4,
    from /home/klugier/upp/uppsrc/CtrlLib/CtrlLib.h:4,
    from /home/klugier/upp/uppsrc/CtrlLib/CtrlLib.icpp:1:
```

/usr/include/c++/5/cmath:641:5: note: 'std::isnan'

```
    isnan(_Tp __x)
    ^
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```
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    from /home/klugier/upp/uppsrc/CtrlCore/CtrlCore.h:4,
    from /home/klugier/upp/uppsrc/CtrlLib/CtrlLib.h:4,
    from /home/klugier/upp/uppsrc/CtrlLib/CtrlLib.icpp:1:
/usr/include/c++/5/cmath:621:5: note: 'std::isinf'
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    from /home/klugier/upp/uppsrc/CtrlLib/CtrlLib.h:4,
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    from /home/klugier/upp/uppsrc/CtrlLib/ChGtk0.cpp:1:
/usr/include/c++/5/cmath:621:5: note: 'std::isinf'

```

isinf(_Tp __x)

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    from /home/klugier/upp/uppsrc/CtrlLib/CtrlLib.h:4,
    from /home/klugier/upp/uppsrc/CtrlLib/LabelBase.cpp:1,
    from /home/klugier/upp/_out/examples/CtrlLib/GCC.Debug.Debug_Full.Gui.Mt.Shared/$blitz.cpp:3:
/home/klugier/upp/uppsrc/Core/Defs.h: In function 'bool Upp::IsNaN(double)':
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    from /home/klugier/upp/uppsrc/CtrlLib/CtrlLib.h:4,
    from /home/klugier/upp/uppsrc/CtrlLib/LabelBase.cpp:1,
    from /home/klugier/upp/_out/examples/CtrlLib/GCC.Debug.Debug_Full.Gui.Mt.Shared/$blitz.cpp:3:
```

```
/usr/include/c++/5/cmath:641:5: note: 'std::isnan'
```

```
    isnan(_Tp __x)
```

```
    ^
```

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```

```
/usr/include/c++/5/cmath:621:5: note: 'std::isinf'
```

```
    isinf(_Tp __x)
```

```
    ^
```

History

#1 - 04/23/2016 01:19 PM - Zbigniew Rebacz

Attention adding std:: before this two method fix this issue.

#2 - 05/06/2016 11:04 PM - Zbigniew Rebacz

- Status changed from New to Approved