

Robotics Systems Commons - Bug #2430

Eigen3 CMake module fails for Eigen 3.2.0

11/09/2015 11:53 PM - T. Korthals

Status:	Resolved	Start date:	11/09/2015
Priority:	Normal	Due date:	11/16/2015
Assignee:	J. Wienke	% Done:	100%
Category:	cmake	Estimated time:	0.10 hour
Target version:	rsb-0.12		

Description

I was just including Eigen3 in some of my projects via
`find_package(Eigen3 3.0.0)`

when I noticed the following cmake configuration error:

```
CMake Error at /usr/share/rsc0.12/cmake/Modules/FindEigen3.cmake:51 (message):
  Eigen3 version .. found in /usr/include/eigen3, but at least 3.0.0
  is required
```

I have Eigen3 3.2.0 installed on my system and it seems that they have changed/shortened the header file
"`_${EIGEN3_INCLUDE_DIR}/Eigen/src/Core/util/Macros.h`", so that the version numbers cannot be found anymore.

In your "`/usr/share/rsc0.12/cmake/Modules/FindEigen3.cmake:33`" you are reading the file with a given offset:

```
file(READ "${EIGEN3_INCLUDE_DIR}/Eigen/src/Core/util/Macros.h" _eigen3_version_header LIMIT 5000 OFFSET 1000)
```

After removing the offset, my Eigen3 can be found and my project configures.

```
file(READ "${EIGEN3_INCLUDE_DIR}/Eigen/src/Core/util/Macros.h" _eigen3_version_header LIMIT 5000)
```

Maybe you should remove the offset and the limit?

Associated revisions

Revision fb00cb42 - 11/17/2015 05:12 PM - J. Wienke

Remove offset in FindEigen3 for Eigen 3.2.0

fixes #2430

History

#1 - 11/10/2015 09:35 AM - J. Moringen

- Subject changed from *Eigen3 module failes to get correct version to Eigen3 CMake module fails for Eigen 3.2.0*
- Assignee changed from *J. Moringen* to *J. Wienke*
- Estimated time changed from *0.10* to *0.10*

#2 - 11/17/2015 05:13 PM - J. Wienke

- Status changed from *New* to *Resolved*
- % Done changed from *0* to *100*

Applied in changeset commit:rsc|fb00cb4234f488563938da16a0bf8c0931eff72b.