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| **Eigen Library** | |
| **POSTECH** | |
| **Test Platform** | SoC : s32v234 evb2 |
| **ARM Compute Library** | Eigen library  http://eigen.tuxfamily.org/ |
| **Cross**  **compile** | **1) Download**  $ wget http://bitbucket.org/eigen/eigen/get/<version>.tar.bz2  **2) Toolchain 설정**   |  | | --- | | $ wget https://releases.linaro.org/components/toolchain/binaries/6.3-2017.05/aarch64-linux-gnu/gcc-linaro-6.3.1-2017.05-x86\_64\_aarch64-linux-gnu.tar.xz  $ tar -xvf <version>.tar.xz  $ tar -xvf gcc-linaro-6.3.1-2017.05-x86\_64\_aarch64-linux-gnu.tar.xz  $export CC=[toolchain dir]/bin/aarch64-linux-gnu-gcc  $export CXX=[toolchain dir]/bin/aarch64-linux-gnu-g++  $export CC=/opt/gcc-linaro-6.3.1-2017.05-x86\_64\_aarch64-linux-gnu/bin/aarch64-linux-gnu-gcc  $export CXX=/opt/gcc-linaro-6.3.1-2017.05-x86\_64\_aarch64-linux-gnu/bin/aarch64-linux-gnu-g++ |   **3) Eigen 설치**   |  | | --- | | $ tar -xvf <version>.tar.bz2  $ tar -xvf 3.3.7.tar.bz2 |   **4) Source cross compile**   |  | | --- | | $ $CXX eigentest.cc -I <Eigen 압축해제 후 경로>  $ $CXX eigentest.cc -I /home/cocel/eigen-eigen-323c052e1731/ | |
| **Usage** | c++기반으로 c는 불가능.  기본적인 매트릭스 사칙연산만 실행해본 상태 |