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| **Eigen Library** | |
| **POSTECH** | |
| **Test Platform** | SoC : Imx.6q sabre SD |
| **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**  Toolchain은 bitbake populated\_sdk를 통해 다운가능.   |  | | --- | | $source <toolchain directory>/environment-setup-cortexa9hf-neon-poky-linux-gnueabi $source /opt/fsl-imx-x11/4.9.88-2.0.0/environment-setup-cortexa9hf-neon-poky-linux-gnueabi |   **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 |