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| **OpenBLAS** | |
| **POSTECH** | |
| **Test Platform** | SoC : s32v234 evb2 |
| **ARM Compute Library** | OpenBLAS  https://www.openblas.net |
| **Cross**  **compile** | **1) Download**  $ git clone <https://github.com/xianyi/OpenBLAS.git>  혹은 https://www.openblas.net에서 tar.gz 파일 다운로드  **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) OpenBLAS 설치**   |  | | --- | | $ tar -xvf OpenBLAS-<version>.tar.gz  $ cd OpenBLAS-<version>  $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++  $ make HOSTCC=gcc NOFORTRAN=1 NO\_LAPACK=1 USE\_THREAD=1 TARGET=ARMV8  $ sudo make NO\_SHARED=1 PREFIX=<installation dir> install |   **4) Source cross compile**   |  | | --- | | $CC -o test test.c -I /<installation dir>/include/ -L/<installation dir>/lib -lopenblas -lpthread | |
| **Usage** | * Trouble Shooting   OpenBLAS make 옵션들 의미를 100% 다 이해하지는 못 한 상태입니다. |