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| **OpenBLAS** | |
| **POSTECH** | |
| **Test Platform** | SoC : Imx.6q sabre SD |
| **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**  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) OpenBLAS 설치**   |  | | --- | | $ tar -xvf OpenBLAS-<version>.tar.gz  $ cd OpenBLAS-<version>  $ source /opt/fsl-imx-x11/4.9.88-2.0.0/environment-setup-cortexa9hf-neon-poky-linux-gnueabi  $ make HOSTCC=gcc NOFORTRAN=1 NO\_LAPACK=1 USE\_THREAD=1 TARGET=ARMV7 AR=arm-poky-linux-gnueabi-ar  $ 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. |
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