cmake\_minimum\_required(VERSION 2.8.3)

project(geometry\_utils)

set(CMAKE\_MODULE\_PATH ${CMAKE\_MODULE\_PATH} "${CMAKE\_CURRENT\_LIST\_DIR}/cmake")

find\_package(catkin REQUIRED)

find\_package(Eigen3 REQUIRED)

catkin\_package(

INCLUDE\_DIRS

include

${EIGEN3\_INCLUDE\_DIR}

LIBRARIES

DEPENDS

Eigen3

)

include\_directories(include ${EIGEN3\_INCLUDE\_DIR})

install(DIRECTORY include/${PROJECT\_NAME}/

DESTINATION ${CATKIN\_PACKAGE\_INCLUDE\_DESTINATION}

FILES\_MATCHING PATTERN "\*.h"

)

install(DIRECTORY cmake/

DESTINATION ${CATKIN\_PACKAGE\_SHARE\_DESTINATION}

FILES\_MATCHING PATTERN "\*.cmake"

)

add\_executable(test\_math tests/test\_math.cc)

target\_link\_libraries(test\_math

${catkin\_LIBRARIES}

boost\_unit\_test\_framework

)

add\_executable(test\_base tests/test\_base.cc)

target\_link\_libraries(test\_base

${catkin\_LIBRARIES}

boost\_unit\_test\_framework

)

add\_executable(test\_equals tests/test\_equals.cc)

target\_link\_libraries(test\_equals

${catkin\_LIBRARIES}

boost\_unit\_test\_framework

)

add\_executable(test\_so3error tests/test\_so3error.cc)

target\_link\_libraries(test\_so3error

${catkin\_LIBRARIES}

boost\_unit\_test\_framework

)