cmake\_minimum\_required(VERSION 2.8.3)

project(point\_cloud\_odometry)

find\_package(PCL REQUIRED COMPONENTS common filters features registration)

if(NOT PCL\_FOUND)

message(FATAL\_ERROR "This program requires the PCL library.")

endif(NOT PCL\_FOUND)

find\_package(catkin REQUIRED COMPONENTS

roscpp

geometry\_utils

parameter\_utils

geometry\_msgs

sensor\_msgs

pcl\_ros

tf2\_ros

)

catkin\_package(

INCLUDE\_DIRS include

LIBRARIES ${PROJECT\_NAME}

CATKIN\_DEPENDS

roscpp

geometry\_utils

parameter\_utils

geometry\_msgs

sensor\_msgs

pcl\_ros

tf2\_ros

DEPENDS

PCL

)

include\_directories(

include

${catkin\_INCLUDE\_DIRS}

${PCL\_INCLUDE\_DIRS}

)

link\_directories(

${catkin\_LIBRARY\_DIRS}

${PCL\_LIBRARY\_DIRS}

)

add\_library(${PROJECT\_NAME} src/PointCloudOdometry.cc)

target\_link\_libraries(${PROJECT\_NAME}

${catkin\_LIBRARIES}

${PCL\_LIBRARIES}

)

add\_executable(${PROJECT\_NAME}\_node src/${PROJECT\_NAME}.cc)

target\_link\_libraries(${PROJECT\_NAME}\_node

${PROJECT\_NAME}

${catkin\_LIBRARIES}

)