cmake\_minimum\_required(VERSION 2.8.3)

project(kobuki\_auto\_docking)

find\_package(catkin REQUIRED COMPONENTS roscpp rospy nodelet pluginlib message\_filters actionlib kdl\_conversions

ecl\_threads ecl\_geometry ecl\_linear\_algebra kobuki\_msgs kobuki\_dock\_drive nav\_msgs)

catkin\_package(

INCLUDE\_DIRS include

LIBRARIES kobuki\_auto\_docking\_ros kobuki\_auto\_docking\_nodelet

CATKIN\_DEPENDS roscpp rospy nodelet pluginlib message\_filters actionlib kdl\_conversions

ecl\_threads ecl\_geometry ecl\_linear\_algebra kobuki\_msgs kobuki\_dock\_drive nav\_msgs

)

include\_directories(include

${catkin\_INCLUDE\_DIRS})

add\_library(kobuki\_auto\_docking\_ros src/auto\_docking\_ros.cpp)

add\_library(kobuki\_auto\_docking\_nodelet src/nodelet.cpp)

add\_dependencies(kobuki\_auto\_docking\_ros ${catkin\_EXPORTED\_TARGETS})

target\_link\_libraries(kobuki\_auto\_docking\_ros ${catkin\_LIBRARIES})

target\_link\_libraries(kobuki\_auto\_docking\_nodelet ${catkin\_LIBRARIES} kobuki\_auto\_docking\_ros)

install(TARGETS kobuki\_auto\_docking\_ros kobuki\_auto\_docking\_nodelet

DESTINATION ${CATKIN\_PACKAGE\_LIB\_DESTINATION}

)

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

DESTINATION ${CATKIN\_PACKAGE\_INCLUDE\_DESTINATION}

)

install(DIRECTORY plugins

DESTINATION ${CATKIN\_PACKAGE\_SHARE\_DESTINATION}

)

install(DIRECTORY launch

DESTINATION ${CATKIN\_PACKAGE\_SHARE\_DESTINATION}

)

install(DIRECTORY param

DESTINATION ${CATKIN\_PACKAGE\_SHARE\_DESTINATION}

)

install(PROGRAMS scripts/DockDriveActionClient.py

scripts/DockDriveControl.py

scripts/getDockIR.py

DESTINATION ${CATKIN\_PACKAGE\_BIN\_DESTINATION}

)