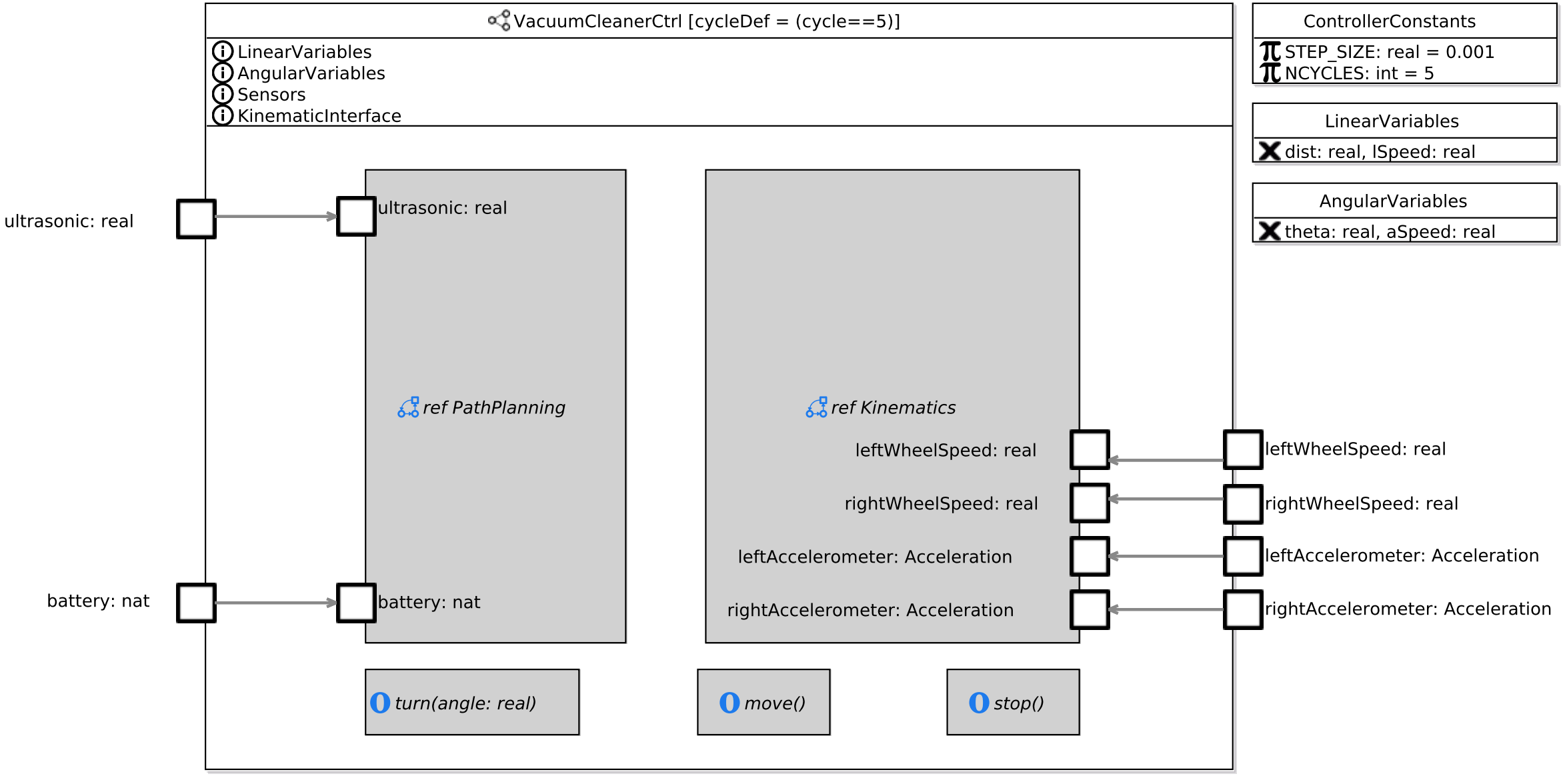
VacuumCleanerCtrl [cycleDef = (cycle==5)]
LinearVariables
AngularVariables
Sensors
KinematicInterface
ultrasonic: real
battery: nat
ultrasonic: real
battery: nat
ref PathPlanning
ref Kinematics
leftWheelSpeed: real
rightWheelSpeed: real
leftAccelerometer: Acceleration
rightAccelerometer: Acceleration
leftWheelSpeed: real
rightWheelSpeed: real
leftAccelerometer: Acceleration
rightAccelerometer: Acceleration
turn(angle: real)
move()
stop()
ControllerConstants
STEP_SIZE: real = 0.001
NCYCLES: int = 5
LinearVariables
dist: real, lSpeed: real
AngularVariables
theta: real, aSpeed: real