

Constant Field Values

Contents

com._604robotics.*

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com._604robotics.robot2012.configuration.ActuatorConfiguration

Modifier and Type	Constant Field	Value
public static final double	ACCELEROMETER_DRIVE_POWER	0.5
public static final double	ELEVATOR_POWER_MAX	0.8
public static final double	ELEVATOR_POWER_MIN	-0.8
public static final double	HOPPER_POWER	0.8
public static final double	HOPPER_POWER_REVERSE	-0.5
public static final double	PICKUP_POWER	0.8
public static final double	TURRET_ROTATION_POWER_MAX	0.4
public static final double	TURRET_ROTATION_POWER_MIN	-0.4

com._604robotics.robot2012.configuration.ActuatorConfiguration.ELEVATOR

Modifier and Type	Constant Field	Value
public static final int	HIGH	1540
public static final int	LOW	0
public static final int	MEDIUM	663
public static final int	OKAY_TO_TURN	1300

com._604robotics.robot2012.configuration.ActuatorConfiguration.ELEVATOR.DEADBAND

Modifier and Type	Constant Field	Value
public static final int	HIGH	1490
public static final int	LOW	35
public static final int	MEDIUM_LOWER	611
public static final int	MEDIUM_UPPER	691

com._604robotics.robot2012.configuration.ActuatorConfiguration.ELEVATOR.TOLERANCE

Modifier and Type	Constant Field	Value
public static final int	HIGH	1505
public static final int	LOW	25
public static final int	MEDIUM_LOWER	631
public static final int	MEDIUM_UPPER	671

com._604robotics.robot2012.configuration.ActuatorConfiguration.TURRET_POSITION

Modifier and Type	Constant Field	Value
public static final double	FORWARD	0.0
public static final double	LEFT	-45.0
public static final double	RIGHT	45.0
public static final double	TOLERANCE	1.0

com._604robotics.robot2012.configuration.AutonomousConfiguration

Modifier and Type	Constant Field	Value
public static final double	BACKWARD_DISTANCE	-1000.0
public static final double	BACKWARD_DISTANCE_SIDES	-500.0
public static final double	BACKWARD_DRIVE_POWER	-0.5
public static final double	FORWARD_DISTANCE	1000.0
public static final double	FORWARD_DRIVE_POWER	0.5

com._604robotics.robot2012.configuration.ButtonConfiguration.Driver

Modifier and Type	Constant Field	Value
public static final int	AUTO_BALANCE	3
public static final int	GYRO_RESET	7
public static final int	SHIFT	13
public static final int	TOGGLE_PICKUP	6

com._604robotics.robot2012.configuration.ButtonConfiguration.Manipulator

Modifier and Type	Constant Field	Value
public static final int	AIM_AND_SHOOT	12
public static final int	PICKUP	11
public static final int	TOGGLE_ANGLE	5
public static final int	TOGGLE_HEIGHT	6
public static final int	TOGGLE_LIGHT	7

com._604robotics.robot2012.configuration.ButtonConfiguration.Manipulator.Elevator

Modifier and Type	Constant Field	Value
public static final int	DOWN	1
public static final int	FORWARD	4
public static final int	LEFT	3
public static final int	RIGHT	2

com._604robotics.robot2012.configuration.PortConfiguration.Controllers

Modifier and Type	Constant Field	Value
public static final int	DRIVE	1
public static final int	MANIPULATOR	2

com._604robotics.robot2012.configuration.PortConfiguration.Encoders

Modifier and Type	Constant Field	Value
public static final int	ELEVATOR_A	8
public static final int	ELEVATOR_B	9
public static final int	TURRET_ROTATION_A	7
public static final int	TURRET_ROTATION_B	6

com._604robotics.robot2012.configuration.PortConfiguration.Encoders.Drive

Modifier and Type	Constant Field	Value
public static final int	LEFT_A	13
public static final int	LEFT_B	14
public static final int	RIGHT_A	12
public static final int	RIGHT_B	11

com._604robotics.robot2012.configuration.PortConfiguration.Motors

Modifier and Type	Constant Field	Value
public static final int	ELEVATOR_LEFT	7
public static final int	ELEVATOR_RIGHT	8
public static final int	HOPPER	4
public static final int	LEFT_DRIVE	1
public static final int	PICKUP	6
public static final int	RIGHT_DRIVE	9
public static final int	SHOOTER_LEFT	2
public static final int	SHOOTER_RIGHT	3
public static final int	TURRET_ROTATION	5

com._604robotics.robot2012.configuration.PortConfiguration.Pneumatics

Modifier and Type	Constant Field	Value
public static final int	COMPRESSOR	6
public static final int	PRESSURE_SWITCH	5

com._604robotics.robot2012.configuration.PortConfiguration.Pneumatics.HOPPER_SOLENOID

Modifier and Type	Constant Field	Value
public static final int	FORWARD	4

public static final int	FORWARD	4
public static final int	REVERSE	3

com._604robotics.robot2012.configuration.PortConfiguration.Pneumatics.PICKUP_SOLENOID

Modifier and Type	Constant Field	Value
public static final int	IN	2
public static final int	OUT	1

com._604robotics.robot2012.configuration.PortConfiguration.Pneumatics.SHIFTER_SOLENOID

Modifier and Type	Constant Field	Value
public static final int	HIGH_GEAR	8
public static final int	LOW_GEAR	7

com._604robotics.robot2012.configuration.PortConfiguration.Pneumatics.SHOOTER_SOLENOID

Modifier and Type	Constant Field	Value
public static final int	LOWER_ANGLE	6
public static final int	UPPER_ANGLE	5

com._604robotics.robot2012.configuration.PortConfiguration.Relays

Modifier and Type	Constant Field	Value
public static final int	RING_LIGHT_PORT	4

com._604robotics.robot2012.configuration.PortConfiguration.Sensors

Modifier and Type	Constant Field	Value
public static final int	ACCELEROMETER	3
public static final int	ELEVATOR_LIMIT_SWITCH	1
public static final int	GYRO_BALANCE	1
public static final int	GYRO_HEADING	2

com._604robotics.robot2012.configuration.SensorConfiguration

Modifier and Type	Constant Field	Value
public static final double	ACCELEROMETER_SENSITIVITY	1.0
public static final double	ACCELEROMETER_UPPER_RADIAN	0.7854
public static final double	GYRO_DRIFT	0.0238095238
public static final int	TURRET_CALIBRATION_OFFSET	-471

com._604robotics.robot2012.configuration.SensorConfiguration.Encoders

Modifier and Type	Constant Field	Value
public static final double	LEFT_DRIVE_INCHES_PER_CLICK	1.0
public static final double	RIGHT_DRIVE_INCHES_PER_CLICK	1.0
public static final double	TURRET_DEGREES_PER_CLICK	0.172801106

com._604robotics.robot2012.machine.ElevatorMachine.ElevatorState

Modifier and Type	Constant Field	Value
public static final int	HIGH	0
public static final int	LOW	2
public static final int	MEDIUM	1
public static final int	PICKUP_OKAY	3
public static final int	TURRET_OKAY	4

com._604robotics.robot2012.machine.PickupMachine.PickupState

Modifier and Type	Constant Field	Value
public static final int	IN	1
public static final int	OUT	0

com._604robotics.robot2012.machine.ShooterMachine.ShooterState

Modifier and Type	Constant Field	Value
public static final int	SHOOTING	0

com._604robotics.robot2012.machine.TurretMachine.TurretState

Modifier and Type	Constant Field	Value
public static final int	AIMED	1
public static final int	FORWARD	2
public static final int	LEFT	3
public static final int	RIGHT	4
public static final int	SIDEWAYS	0

com._604robotics.utils.XboxController.Axis

Modifier and Type	Constant Field	Value
public static final int	LEFT_STICK_X	1
public static final int	LEFT_STICK_Y	2
public static final int	RIGHT_STICK_X	4
public static final int	RIGHT_STICK_Y	5

com._604robotics.utils.XboxController.Button

Modifier and Type	Constant Field	Value
public static final int	A	1
public static final int	B	2
public static final int	Back	7
public static final int	EitherTrigger	13
public static final int	LB	5
public static final int	LeftStick	9
public static final int	LT	11
public static final int	RB	6
public static final int	RightStick	10
public static final int	RT	12
public static final int	Start	8
public static final int	X	3
public static final int	Y	4

com._604robotics.utils.XboxController.Button.DPad

Modifier and Type	Constant Field	Value
public static final int	Down	15
public static final int	Left	16
public static final int	Right	17
public static final int	Up	14

com._604robotics.utils.XboxController.Stick

Modifier and Type	Constant Field	Value
public static final int	DPAD	6
public static final int	LEFT_STICK	1
public static final int	RIGHT_STICK	4