Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

▼ c **BaseShare**   Base class for classes that share data in a thread-safe manner between tasks

    c **TaskQueue< dataType >**   Implements a queue to transmit data from one RTOS task to another

    c **TaskShare< DataType >**   Class for data to be shared in a thread-safe manner between tasks

    c **TextQueue**   Converts data to characters with << and puts them into a FreeRTOS queue

    c **deviceParams_t**   Device Parameters Structure Type

▼ c **emstream**   Base class for serial devices which print using a << operator

    c **TextQueue**   Converts data to characters with << and puts them into a FreeRTOS queue

    c **float_with_bits_t**   Single precision float accessed as a float or a set of 32 bits

    c **L6206_InitTypeDef**

    c **motorDrv_t**   Motor driver structure definition

▼ c **TaskBase**   Base class for implementations of tasks in task/state based programs

    c **BallPositionTask**   Implements a task to determine the ball position

    c **CommunicationTask**   Implements a task to communicate with serial devices

    c **ControllerTask**   Implements a task to control the system

    c **EncoderTask**   Implements a task to determine the beam angle

    c **LimitSwitchTask**   Implements a task to determine whether or not the system is safe

    c **MotorDriveTask**   Implements a task to control the motor

    c **UserInputTask**   Implements a task to determine the set-point of the ball on the beam