

Temp

Functions

void **taskTempCalc** ()

uint32_t **getTempData** ()

Detailed Description

tempCalc.c - Module to convert ADC voltage readings to temperature.

tempMan.c - Module

Function Documentation

uint32_t getTempData ()

uint32_t **getTempData**()

This method retrieves the most recent temperature readings and stores them for use by other modules.

Returns

The most recent temperature reading.

void taskTempCalc ()

void **taskTempCalc**()

This task calculates the temperature inside the black box based on the ADC reading stored in *ADC_queue*. It stores the calculated temperature value in *temp_queue* for the PID module to utilize.

Returns

None.