

Lab 11

Floating Point Math

This lab familiarizes the student with floating point math routines that can be implemented in the Microchip PIC microcontroller.

Create a new project with lab11.asm. Add appropriate variables to a watch window and step through the code in simulation mode to observe the results of the math routines. The code is not complete, so sometimes the results are incorrect. For example, in the code the addition of the two floats $0x8269 + 0x81CA$ does not give the correct result. Also, using FloatMultiply sometimes gives a product which is not in normalized form.