

Kogna

Bug fixed regarding Encoder input #15 caused by FPGA register conflict.

Bug fixed involving Using Kogna DACs with DAC Servo Mode.

.NET Libraries

Fixed bug in GetBitState200 for extracting Bits 200 through 289 from Kogna's Main Status record.

KMotion

Improve handling of Versions with different status record sizes.

Add warning "Status Update Paused Restart KMotion to Resume"

KMotionCNC

Fix Missing Text in KMotionCNC Transform GCode Dialog

Fix "No KMotion devices available" when Running Simulation with Do Times option when no boards connected.

Option added to use Floating GViewer Dialog with Screen Script instead of GViewer on Main Screen. To enable this option set the GViewer Control on the Main Screen's Var parameter to 0.

GViewer Control on main screen for Custom Screens will now zoom out properly when screen is first displayed.

Screen Script Buttons controlled by IO Bits 200-289 as specified by the Var parameter fixed

Trajectory Planner

Fix improperly attempting to convert ABC angular motion to distance using radius when radius is 0. Radius 0 Not Degrees problem. Even though Axis not used.

GCodeInterpreter

Fixed issue with motion not being at constant rate sometimes occurring on first movement of GCode or MDI if the move was a pure angular move and GCode Axis/Origin/Tool offsets were being used. This was being caused by numerical round off errors when subtracting and adding back in GCode offsets sometimes resulting in microscopic XYZUV motions possibly causing pure angular motions to be changed to be non-purely angular. This was fixed by re-computing/adjusting the CoordMotion Absolute current positions from the Interpreter positions so they will exactly match.

C Examples

Kogna RS485 examples added BufferedRS485Master.c and BufferedRS485 Slave Echo.c

New example to run PC Batch File From FLOP using Screen Script

Kinematics

Reversed the rotation direction for the B axis to match George's Machine in Kinematics5AxisGimbalCB.cpp

KMotionCNC Screen Editor

32-bit Version now in \KMotion\Release Folder to facilitate running in 32-bit Windows. (bug caused it to be the 64-bit Version instead same as in \KMotion\Release64 Folder.

Mach3

Support for Kogna IO Bits > 256 by specifying Port 4 with Pin as IO Bit Number – 256

Help

On-line Help Viewer has been updated to be based on Microsoft Edge vs Internet Explorer which has better support for Video, Javascript, Google Translate, Printing, etc. The Viewer requires .NET 4.62. If unsuccessful the old help Viewer should be automatically invoked. To force the old Internet Explorer Viewer place an empty text file named UseIEHelp.txt into the \KMotion\Help Folder.