Introduction to Computer Graphics for Engineering

Short Course - 16th -18th June 2014

Implementation of a GUI RPN calculator for integer numbers

Implement a GUI (*Guided User Interface*) version of the described RPN *(Reversed Polish Notation)* calculator using Qt interface system. The GUI version of the implemented RPN calculator should be based on the console version described in this course: http://www.tecgraf.puc-rio.br/ftp_pub/lfm/L1E_RPNCalculator.pdf. Note that the console RPN calculator works with double precision floating point number, whilst the assigned GUI RPN calculator works with integer numbers.

Complete the graphics program available in the course homepage:
http://www.tecgraf.puc-rio.br/~lfm/HW1_GuiRPN.zip.
This program uses Qt interface system.
Understanding the given code is part of the assignment.

An executable program, which is the solution of the assignment, is provided:
http://www.tecgraf.puc-rio.br/~lfm/HW1_GuiRPN-solution.zip.

Image of Qt Designer interface with the used widgets (interface objects) in the solution program: