Design Requirements

Convert your solution for Lab 5 into fixed-point, eliminating all floating point types and operations. Also, change the resolution to 1024x768.

Project Submission

Each group must submit all files containing their originally-written (non-generated) C source code to Dropbox.

In addition, each group must submit a report that details their performance results, measured as average time to generate each frame for four processors.

In addition, each group must submit a report that details their performance results for four processors and compare the results to those of lab 5:

1. average time to generate each frame over at least 10 frames,
2. average number of cycles to compute and paint each pixel over at least one frame,
3. number of cycles to compute one iteration of the polynomial evaluation loop, and
4. number of cycles per \textbf{fixed point} operation performed in the polynomial evaluation loop