Formal report: Disparity Algorithm Implementation: (Deadline: 1st June 2017 at 12:00)

Please note that all examples and laboratory exercises conducted during the laboratory sessions are not assessed.

A disparity algorithm is given in C language (see blackboard: Disparity_lab_built.7z). You are required to study the code and increase the performance in terms of speed.

1. Modify the C code to increase the performance. (10%)

2. Modify the C algorithm to increase the performance. (10%)

3. Write the linear assembly for the disparity code in order to increase the performance. Total mark 60 %

Note: If the code in linear assembly if operating properly regardless of the performance (40%).

4. Formal report explaining the implementation and showing/discussing the results. Presentation will be taken into account (20%).

A document template is given to you and you should not exceed 6 pages; extra pages can be used for the appendix.

Please include the report in a Word document, PDF and a zip file with ALL the projects. (Please DO

NOT send only the source files). Marks will be deduced if a project will not compile.

Only ONE report per group is required, with names and email addresses.

Submission should be through SAFE.

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