

Respected Examiner,
Thank you for reviewing my thesis.

**Thesis Title: Implementation of an Autonomous Star Recognition Algorithm using
Hardware-Software Co-processing Approach**

Firstly, I would like to thank you for your insightful comments. These excellent comments have helped significantly improve my thesis. This letter addresses each of the raised points and notes precisely how I have responded and included the comments into my revised thesis.

Sincerely yours,
Dang Le Dang Khoa

Examiner: 2

1. There are many careless mistakes in the thesis. Tables and figures are not explained in the body of the thesis, equations are given without explanations, unfinished sentences, etc. All these are indicated on the relevant pages in the thesis. Please correct and give explanations as requested.

Answer

2. Page 29. Please explain why the threshold is chosen to be 70 to separate star clusters from the background. That will happen if the threshold is reduced or increase?

Answer

3. Conclusion must be made for the study, so I would like to see a chapter on conclusion which includes the following:

- (a) One of the objective of the candidate's thesis is to implement and evaluate the performance of a star tracking algorithm, so what is the conclusion of the evaluation of the performance? Can it be used for the attitude determination sensor mounted on a spacecraft?

Answer

- (b) Another objective of the thesis is to benchmark and optimize the algorithm in terms of the power consumption and the area of transistor implementation. What is the conclusion? What is the benchmark now? Did the candidate do optimization? What I got from the thesis are just the results of the power consumed, but it is necessary that the candidate describes how he did the optimization.

Answer