

Instructions

- You should only write this report if your classification achieved on problem 1 in mooshak was larger than or equal to 100 points. Submit the pdf version of the signed document to INFORESTUDANTE not later than the 15th of March.
- Write your report in a clear, concise and objective manner and use the template in the next pages to guide you in the writing process. Use font Arial, size 12, single space between lines, and do not modify the size of the margins. Your report cannot have more than 3 pages. Do not write code in the report, but you are allowed to describe your approach from a high-level perspective using pseudo-code. In that case, use the pseudo-code conventions described in the book Cormen et al, Introduction to Algorithms (Section 2.1).
- The report must be signed by all team members that participated in the implementation. Any kind of dishonesty, misconduct or fraud, for instance, signing without having participated actively in the implementation, will lead to a formal complain as described by the Pedagogical Regulations at the University of Coimbra.

Report for programming problem 1

Team:

1. Algorithm description

(Describe the main working principles of your approach to the problem – give pseudo-code or a textual explanation. Identify the recursive step, the base case and the rejection conditions. Explain speed-up tricks that you have considered to improve the efficiency of your approach)

2. Intersection procedure

(Explain how you have implemented the procedure to detect the intersection of colliders)

3. Data structures

(Describe the main data structures that you have used in your approach.)

4. Correctness

(In case you have achieved 150 points, justify why your approach is correct. In case you got “Wrong Answer” or “Time Limit Exceed” in some cases, explain why this happened and what could have been done to improve your approach)

5. Algorithm Analysis

(Give the overall memory and time complexity of your approach, in particular, that of the recursive step and the base case)

6. References

(Provide all the bibliography and internet links that you have used to support the development of your approach)

Team members that implemented this approach:

Student ID: _____ Name _____

Student ID: _____ Name _____

Student ID: _____ Name _____