

Point-in-Polygon Test

Report : 1st Assignment



Optional image here

Your Name
Your Portico Number
Your Email

Introduction

Use the text highlighted in orange as a guideline and delete it before submitting the report. Please do not just answer the questions without integrating your answers into paragraphs. These questions are there only as a guideline. Please do not change the template of the report. Please do not use colloquial expressions and write in professional English. Remember to be thorough (and honest) in your explanations; this report will be also used to assess what you have done in each task.

Describe your assignment. This section should answer the following questions:

- What does your software do? Which part of the assignment have you completed?
- What are the limitations of your software?
- How did you develop it?
- How long did it take to develop it?

Project Description

Explain here how to use your software. This section should at least include the answers to the following questions:

- What are the prerequisites of your software? Is Python 3.8 enough or should I install additional libraries?
- How can I run your software? What should I execute? Is your script expecting the presence of any file in the same directory? Does it require parameters?

Software

In this section you should write how you developed some of the tasks in the marking scheme. You can copy and paste the function/method/class here and describe how it works. Please do not paste screenshots of your code (penalties will occur if you do that).

Task 1. The MBR Algorithm

Describe here how you implemented this algorithm. You can copy and paste your code and describe what it does. If you did not do this task state why.

Task 2. The RCA Algorithm

Describe here how you implemented this algorithm. You can copy and paste your code and describe what it does. If you did not do this task state why.

Task 3. The Categorisation of Special Cases

Which cases did you solve and how? If you did not do this task state why.

Task 5. Object-Oriented Programming

What did you make object-oriented? If you did not do this task state why.

Task 6. On the Use of Git and GitHub

How did you use Git and GitHub? If you did not do this task state why.

Task 9. Plotting

How did you use the Plotter class? Did you implement any additional plotting functionalities? If you did not do this task state why.

Task 10. Error Handling

Which error handling functionality did you implement? If you did not do this task state why.

Task 11. Additional Features

Any additional features? If you did not do this task state why.

Git Log

Copy and paste here the output of the command `$ git log`.