Computational project

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Task 1.1

1. Derivatives are used in physics to calculate things such as velocity acceleration and so forth. For instance, we know from school that Velocity is a S derivative by time and Acceleration is V s derivative by T.
2. We also use derivatives to approximate a maximum and a minimum of a function be it global or local in optimization problems.
3. Derivatives are also used in image processing to find the edges of an image we grayscale and blur it then we run a derivative function and remove the smallest values to only leave the values where colours changed drastically.