Análisis de rendimiento en extracción del código de cadena VCC realizado en el lenguaje de programación Java [

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text (article)

Analítica

Digital images offer features that can be obtained computationally. This work specially empha-sizes on obtaining the contour and perimeter, which are specific characteristics of the image. For this purpose, we selected the Vertex Chain Code (VCC) technique as the methodology to extract the contour and the perimeter of the images by means of the sum of the number of cells in the borders, according to the connectivity. For the analysis of the algorithm performance, the time of extraction of the chain was taken as a measurement variable, so that it could be compared with test scenarios and then, carry out the analysis of the algorithm. The performance of the code was tested by measuring the computational time for extracting the code from the VCC, and when performing the tests, the descriptor proved to be fast enough for the collection of 25, 50, and 100 images. The time obtained was significantly tiny for the human being, and it is con-cluded that the algorithm that implements the Vertex Chain Code (VCC) is sufficiently effective to extract a limited amount of digital images
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