

ARTICLE TYPE

Visión Artificial - Actividad 2: Exploración de filtros espaciales y morfológicos en escenarios reales

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Abstract

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Keywords: keyword entry 1, keyword entry 2, keyword entry 3

1. Introducción

2. Material y métodos

2.1 Selección de imágenes

2.2 Filtros espaciales

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2.2.2 Realce de bordes

2.3 Filtros morfológicos

2.3.1 Dilatacion

2.3.2 Erosión

2.3.3 Apertura

2.3.4 Cierre

3. Resultados y métricas

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3.2 Escenario Médico

3.3 Escenario Satelital

4. Conclusiones

5. Declaración de la IA

6. Insert A head here

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7. Equations

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$$\begin{aligned}\frac{\partial u(t, x)}{\partial t} &= Au(t, x) \left(1 - \frac{u(t, x)}{K} \right) - B \frac{u(t - \tau, x)w(t, x)}{1 + Eu(t - \tau, x)}, \\ \frac{\partial w(t, x)}{\partial t} &= \delta \frac{\partial^2 w(t, x)}{\partial x^2} - Cw(t, x) + D \frac{u(t - \tau, x)w(t, x)}{1 + Eu(t - \tau, x)},\end{aligned}\tag{1}$$

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$$\begin{aligned}\frac{dU}{dt} &= \alpha U(t)(\gamma - U(t)) - \frac{U(t-\tau)W(t)}{1+U(t-\tau)}, \\ \frac{dW}{dt} &= -W(t) + \beta \frac{U(t-\tau)W(t)}{1+U(t-\tau)}.\end{aligned}\tag{2}$$

$$\begin{aligned}\frac{\partial(F_1, F_2)}{\partial(c, \omega)}_{(c_0, \omega_0)} &= \left| \begin{array}{cc} \frac{\partial F_1}{\partial c} & \frac{\partial F_1}{\partial \omega} \\ \frac{\partial F_2}{\partial c} & \frac{\partial F_2}{\partial \omega} \end{array} \right|_{(c_0, \omega_0)} \\ &= -4c_0q\omega_0 - 4c_0\omega_0p^2 = -4c_0\omega_0(q + p^2) > 0.\end{aligned}$$

8. Figures & Tables

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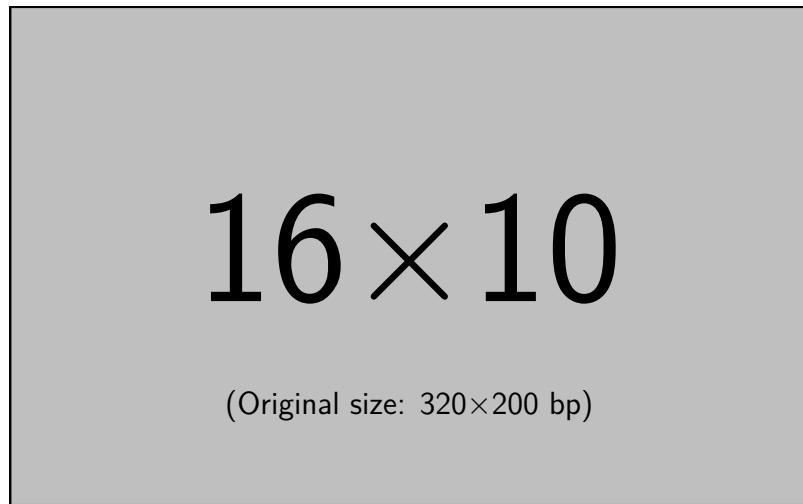


Figure 1. Insert figure caption here

See example table in Table 1.

9. Conclusion

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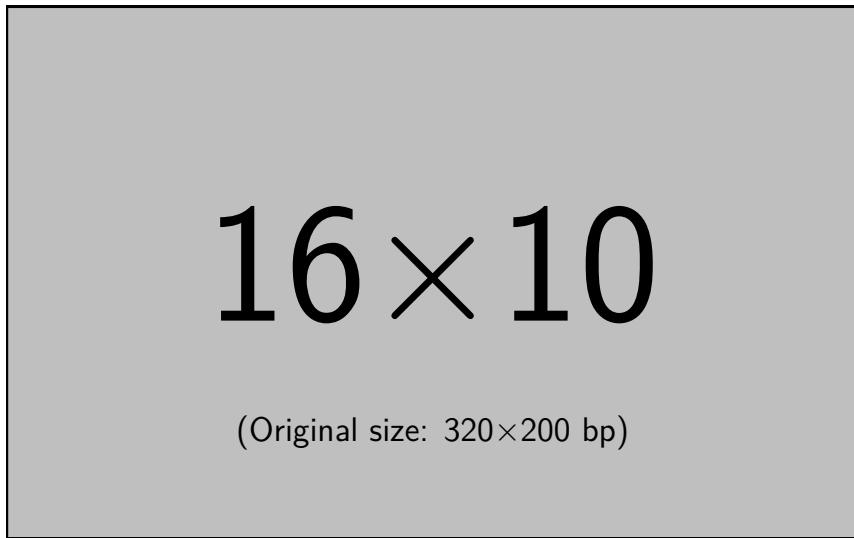


Figure 2. Insert figure caption here

Table 1. An Example of a Table

Column head 1	Column head 2	Column head 3	Column head 4
One ^a	Two	three three	four
Three	Four	three three ^b	four

Table note

a First note

b Another table note

Acknowledgments We are grateful for the technical assistance of A. Author.

Funding Statement This research was supported by grants from the <funder-name><doi>(<award ID>); <funder-name><doi>(<award ID>).

Competing Interests A statement about any financial, professional, contractual or personal relationships or situations that could be perceived to impact the presentation of the work — or ‘None’ if none exist

Data Availability Statement A statement about how to access data, code and other materials allowing users to understand, verify and replicate findings — e.g. Replication data and code can be found in Harvard Dataverse: \url{https://doi.org/link}.

Ethical Standards The research meets all ethical guidelines, including adherence to the legal requirements of the study country.

Author Contributions Please provide an author contributions statement using the CRediT taxonomy roles as a guide \url{https://www.casrai.org/credit.html}. Conceptualization: A.A; A.B. Methodology: A.A; A.B. Data curation: A.C. Data visualisation: A.C. Writing original draft: A.A; A.B. All authors approved the final submitted draft.

Notes

- 1 A footnote/endnote
- 2 Another footnote/endnote

References

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Adade, Camila M, Solange L de Castro, and Maurilio J Soares. 2007. Ultrastructural localization of *Trypanosoma cruzi* lysosomes by aryl sulphatase cytochemistry. *Micron* 38 (3): 252–256.

Bayer-Santos, Ethel, Clemente Aguilar-Bonavides, Silas Pessini Rodrigues, Esteban Mauricio Cordero, Alexandre Ferreira Marques, Armando Varela-Ramirez, Hyungwon Choi, Nobuko Yoshida, José Franco Da Silveira, and Igor C Almeida. 2013. Proteomic analysis of trypanosoma cruzi secretome: characterization of two populations of extracellular vesicles and soluble proteins. *Journal of Proteome Research* 12 (2): 883–897.

Appendix 1. Example Appendix Section

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