

Modelos de computación celular con membranas

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Resumen

En este trabajo se presenta un nuevo modelo de computación no convencional (los sistemas celulares con membranas), inspirado en la estructura y funcionamiento de las células de los organismos vivos, y se desarrolla una teoría de la complejidad computacional en dicho modelo que permite dar una nueva caracterización de la relación $P \neq NP$.

Palabras clave : *Computación celular, Sistemas P, Sistemas celulares, Modelo no convencional, Complejidad computacional, Clases P y NP.*

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