

MC920: Introdução ao Processamento de Imagem Digital

Martin de Oliveira (118077) Rafael Hermano (121286)

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Números de conexidade

- Rutovitz

$$NC = \sum_{k=1}^8 |x_k - x_{k+1}|$$

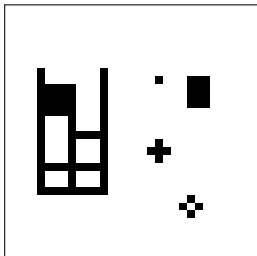
- Yokoi (4-conexo)

$$NC = \sum_{k \in V_4} |x_k - x_k \cdot x_{k+1} \cdot x_{k+2}|$$

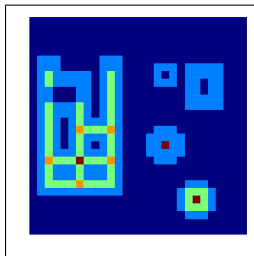
- Yokoi (4-conexo)

$$NC = \sum_{k \in V_4} |\overline{x_k} - \overline{x_k} \cdot \overline{x_{k+1}} \cdot \overline{x_{k+2}}|$$

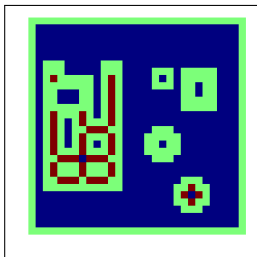
Números de conexão



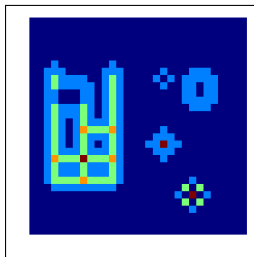
(a) Original



(b) Rutovitz



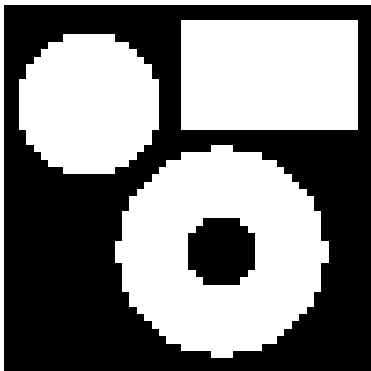
(c) Yokoi - 4 conexo



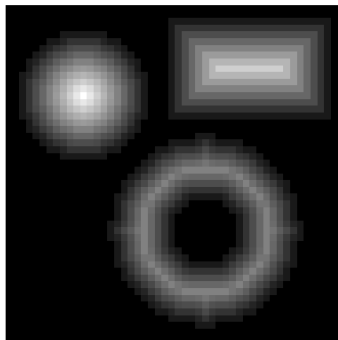
(d) Yokoi - 8 conexo



Transformada de distância



(a) Original



(b) Transformada de distância