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Optimization of Computer Aided Detection systems: an evolutionary approach

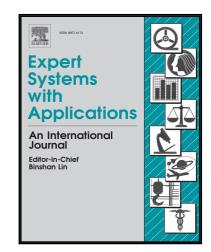
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Highlights

- Genetic algorithms selected optimal parameters for breast masses detection
- A general-purpose multi-objective framework balanced sensitivity and specificity
- We defined a modified asymmetric Dice coefficient to avoid over-segmentation
- Association rule mining characterized the effect and significance of each parameter

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