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Simultaneous Detection and Classification of Breast Masses in Digital Mammograms via a Deep Learning YOLO-based CAD System

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**Highlights**

- A novel computer-aided diagnosis system based on deep learning techniques is proposed.
- The proposed YOLO-based CAD system simultaneously handle both detection and classification of breast cancer masses.
- YOLO-based CAD has a capability to handle most challenging cases of breast abnormalities.

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