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Binarization of Degraded Document Images based on Hierarchical Deep Supervised Network

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Highlights

- We propose a supervised binarization method based on the Deep Supervised Networks.
- The multi-scale Deep Supervised Networks for binarization has not been reported yet.
- A hierarchical architecture is designed to distinguish text from background noises.
- Different feature levels are dealt by the multi-scale architecture.
- The performance results are considerably better than state-of-the-art methods.

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