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Supervised image classification by MLP and RBF neural networks with and without an exhaustively defined set of classes

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Abstract

The abse...   major
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Classific...   the classes.
One key   ed
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crop clas...   since the
RBF net...   e MLP, it was
possible to reduce the commission of atypical cases into the set of trained classes

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through the setting of post-classification thresholds on the RBF network's outputs. As a result it was possible to identify and exclude some cases of untrained classes from a classification with a RBF network which resulted in an increase in classification accuracy.

Acknowledgments

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