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Integrating Multi-Level Deep Learning and Concept Ontology for Large-Scale Visual Recognition

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Highlights

- A multi-level deep learning algorithm is developed for large-scale visual;
- Multiple deep networks are learned simultaneously to achieve more discriminative;
- The concept ontology is constructed for organizing large numbers of object classes hierarchically;
- An end-to-end process is developed to learn the deep networks and the tree classifier jointly;
- Our experiments are performed on multiple image sets for algorithm evaluation.

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