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Multi-label Learning Based Deep Transfer Neural Network for Facial Attribute Classification

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Highlights

- A deep transfer neural network, FMTNet, is proposed for facial attribute analysis.
- FMTNet effectively performs deep transfer learning based on multi-label learning.
- FMTNet has three sub-networks carefully designed in a similar network structure.
- An effective loss weight scheme is developed based on attribute grouping.
- Experiments on facial attribute analysis show the effectiveness of our method.

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