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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