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Occluded Face Recognition Using Low-Rank Regression with Generalized Gradient Direction

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Highlights

- A hierarchical sparse and low-rank model is proposed to occluded face recognition.
- Operation is based on proposed generalized image gradient direction domain.
- Proposed model uses the hierarchical adaptive weight on the sparse part.
- Reveal the robustness of ADMM optimization to weak low-rankness problem.
- Best recognition accuracy compared to stated-of-the-art methods including CNNs.

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