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Single Image Super-resolution Using Collaborative Representation and Non-local Self-Similarity

Kan Chang, Pak Lun Kevin Ding, Baoxin Li

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Highlights

- A novel regularization term named CRR is proposed to exploit the external prior.
- The learning process of CRR is independent of the degradation model.
- A joint regularization term combining the external and internal priors is designed.
- An effective iterative algorithm is developed to solve the optimization problem.
- The proposed method is superior to many state-of-the-arts SR methods.

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