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Robust sparse representation based multi-focus image fusion with dictionary construction and local spatial consistency

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**Highlight**

- A RSR model is introduced for multi-focus image fusion.
- Local consistency among adjacent patches is considered in the fusion method.
- A dictionary is constructed for RSR by using “row-sparsity” constraint.
- The fusion method introduces few spatial artifacts to the fused image.
- The fusion method has high computation efficiency.

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