

VI. CONCLUSIONS

The contourlet coefficients at finer scale of low resolution image, learned locally from the high resolution training data set are used to estimate the super-resolved image. This method describes a technique to recover the super-resolved image from a single observation using contourlet based learning and useful when multiple observations of a scene are not available so one must make the best use of a single observation to improve its resolution. Experimentation shows appropriate improvements over conventional interpolation techniques. Results depend on quality and quantity of training data set.

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