Example-based Super Resolution

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Outline overview

• Introduction
• Methodology
  – Interpolation based
  – Reconstruction based
  – Machine learning based
• Hypothesis ideas
• Performance evaluation
• Conclusion
Introduction

• What is the super resolution?

• Main application scenarios
  - security
  - medicine
  - military
Methodology

- Machine Learning based
Performance evaluation

• Result

• Algorithm performance
  – Fast find nearest neighbor
Conclusion

• Find the best patches

• Optimization of complexity
Q&A